

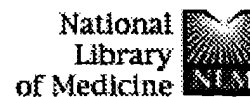
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☐ 1: [Berezin V, Bock E.](#)

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NCAM mimetic peptides: Pharmacological and therapeutic potential.

J Mol Neurosci. 2004;22(1-2):33-39.

PMID: 14742908 [PubMed - in process]

☐ 2: [Calza L, Fernandez M, Giuliani A, Pirondi S, D'Intino G, Manservigi M, De Sordi N, Giardino L.](#)

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Stem cells and nervous tissue repair: from in vitro to in vivo.

Prog Brain Res. 2004;146:75-91.

PMID: 14699957 [PubMed - indexed for MEDLINE]

☐ 3: [Pedersen MV, Kohler LB, Ditlevsen DK, Li S, Berezin V, Bock E.](#)

[Related Articles, Links](#)



Neuritogenic and survival-promoting effects of the P2 peptide derived from a homophilic binding site in the neural cell adhesion molecule.

J Neurosci Res. 2004 Jan 1;75(1):55-65.

PMID: 14689448 [PubMed - indexed for MEDLINE]

☐ 4: [Jin K, Peel AL, Mao XO, Xie L, Cottrell BA, Henshall DC, Greenberg DA.](#)

[Related Articles, Links](#)



Increased hippocampal neurogenesis in Alzheimer's disease.

Proc Natl Acad Sci U S A. 2004 Jan 6;101(1):343-7. Epub 2003 Dec 05.

PMID: 14660786 [PubMed - indexed for MEDLINE]

☐ 5: [Albach C, Damoc E, Denzinger T, Schachner M, Przybylski M, Schmitz B.](#)

[Related Articles, Links](#)



Identification of N-glycosylation sites of the murine neural cell adhesion molecule NCAM by MALDI-TOF and MALDI-FTICR mass spectrometry.

Anal Bioanal Chem. 2004 Feb;378(4):1129-35. Epub 2003 Dec 05.

PMID: 14658030 [PubMed - in process]

☐ 6: [Jiang SX, Kameya T, Asamura H, Umezawa A, Sato Y, Shinada J, Kawakubo Y, Igarashi T, Nagai K, Okayasu I.](#)

[Related Articles, Links](#)



hASH1 expression is closely correlated with endocrine phenotype and differentiation extent in pulmonary neuroendocrine tumors.

Mod Pathol. 2004 Feb;17(2):222-9.

PMID: 14657947 [PubMed - in process]

☐ 7: [Foley AG, Romm LC, Murphy KJ, Regan CM.](#)

[Related Articles, Links](#)



Distribution of polysialylated neural cell adhesion molecule in rat septal nuclei and septohippocampal pathway: transient increase of polysialylated interneurons in the subtriangular septal zone during memory consolidation.

J Neurosci Res. 2003 Dec 15;74(6):807-17.

PMID: 14648585 [PubMed - indexed for MEDLINE]


☐ 8: [Mavilio D, Benjamin J, Daucher M, Lombardo G, Kottitil S, Planta MA, Marcenaro E, Bottino C, Moretta L, Moretta A, Fauci AS.](#)


[Related Articles, Links](#)





Natural killer cells in HIV-1 infection: dichotomous effects of viremia on inhibitory and activating receptors and their functional correlates.

Proc Natl Acad Sci U S A. 2003 Dec 9;100(25):15011-6. Epub 2003 Nov 25.
PMID: 14645713 [PubMed - indexed for MEDLINE]


-  **9:** [Goodier MR, Imami N, Moyle G, Gazzard B, Gotch F.](#) [Related Articles, Links](#)


 **Loss of the CD56hiCD16- NK cell subset and NK cell interferon-gamma production during antiretroviral therapy for HIV-1: partial recovery by human growth hormone.**
Clin Exp Immunol. 2003 Dec;134(3):470-6. Erratum in: Clin Exp Immunol. 2004 Feb;135(2):344.
PMID: 14632753 [PubMed - indexed for MEDLINE]


-  **10:** [Kronenberg G, Reuter K, Steiner B, Brandt MD, Jessberger S, Yamaguchi M, Kempermann G.](#) [Related Articles, Links](#)


 **Subpopulations of proliferating cells of the adult hippocampus respond differently to physiologic neurogenic stimuli.**
J Comp Neurol. 2003 Dec 22;467(4):455-63.
PMID: 14624480 [PubMed - indexed for MEDLINE]


-  **11:** [Cho HI, Kim HJ, Oh ST, Kim TG.](#) [Related Articles, Links](#)


 **In vitro induction of carcinoembryonic antigen (CEA)-specific cytotoxic T lymphocytes by dendritic cells transduced with recombinant adenoviruses.**
Vaccine. 2003 Dec 12;22(2):224-36.
PMID: 14615150 [PubMed - indexed for MEDLINE]


-  **12:** [Nisio CD, Brunetti L, Esposito DL, Recinella L, Orlando G, Michelotto B, Vacca M.](#) [Related Articles, Links](#)

 **Desialylated N-CAM and chromatin-derived acidic peptide effects in the hypothalamus.**
Peptides. 2003 Aug;24(8):1231-6.
PMID: 14612195 [PubMed - in process]


-  **13:** [Cambon K, Venero C, Berezin V, Bock E, Sandi C.](#) [Related Articles, Links](#)

 **Post-training administration of a synthetic peptide ligand of the neural cell adhesion molecule, C3d, attenuates long-term expression of contextual fear conditioning.**
Neuroscience. 2003;122(1):183-91.
PMID: 14596859 [PubMed - indexed for MEDLINE]


-  **14:** [Oliva AA Jr, James CD, Kingman CE, Craighead HG, Banker GA.](#) [Related Articles, Links](#)

 **Patterning axonal guidance molecules using a novel strategy for microcontact printing.**
Neurochem Res. 2003 Nov;28(11):1639-48.
PMID: 14584818 [PubMed - indexed for MEDLINE]


















-  **15:** [Maile LA, Clemmons DR.](#) [Related Articles, Links](#)

 **Integrin-associated protein binding domain of thrombospondin-1 enhances insulin-like growth factor-I receptor signaling in vascular smooth muscle cells.**
Circ Res. 2003 Nov 14;93(10):925-31. Epub 2003 Oct 16.
PMID: 14563713 [PubMed - indexed for MEDLINE]


-  **16:** [Buttner B, Kannicht C, Reutter W, Horstkorte R.](#) [Related Articles, Links](#)


 **The neural cell adhesion molecule is associated with major components of the cytoskeleton.**
Biochem Biophys Res Commun. 2003 Oct 24;310(3):967-71.
PMID: 14550299 [PubMed - indexed for MEDLINE]


-  **17:** [Shen PJ, Larm JA, Gundlach AL.](#) [Related Articles, Links](#)


-  Expression and plasticity of galanin systems in cortical neurons, oligodendrocyte progenitors and proliferative zones in normal brain and after spreading depression.
Eur J Neurosci. 2003 Sep;18(6):1362-76.
PMID: 14511317 [PubMed - indexed for MEDLINE]
-  **18:** [Modi J, Patel A, Terrell R, Tuttle RM, Francis GL.](#) [Related Articles, Links](#)
-  Papillary thyroid carcinomas from young adults and children contain a mixture of lymphocytes.
J Clin Endocrinol Metab. 2003 Sep;88(9):4418-25.
PMID: 12970319 [PubMed - indexed for MEDLINE]
-  **19:** [Hartz BP, Sohoel A, Berezin V, Bock E, Scheel-Kruger J.](#) [Related Articles, Links](#)
-  A synthetic peptide ligand of NCAM affects exploratory behavior and memory in rodents.
Pharmacol Biochem Behav. 2003 Jul;75(4):861-7.
PMID: 12957229 [PubMed - in process]
-  **20:** [Rubinek T, Yu R, Hadani M, Barkai G, Nass D, Melmed S, Shimon I.](#) [Related Articles, Links](#)
-  The cell adhesion molecules N-cadherin and neural cell adhesion molecule regulate human growth hormone: a novel mechanism for regulating pituitary hormone secretion.
J Clin Endocrinol Metab. 2003 Aug;88(8):3724-30.
PMID: 12915661 [PubMed - indexed for MEDLINE]
-  **21:** [Cecchini T, Ciaroni S, Ferri P, Ambrogini P, Cuppini R, Santi S, Del Grande P.](#) [Related Articles, Links](#)
-  Alpha-tocopherol, an exogenous factor of adult hippocampal neurogenesis regulation.
J Neurosci Res. 2003 Aug 15;73(4):447-55.
PMID: 12898529 [PubMed - indexed for MEDLINE]
-  **22:** [Seidenfaden R, Krauter A, Schertzinger F, Gerardy-Schahn R, Hildebrandt H.](#) [Related Articles, Links](#)
-  Polysialic acid directs tumor cell growth by controlling heterophilic neural cell adhesion molecule interactions.
Mol Cell Biol. 2003 Aug;23(16):5908-18.
PMID: 12897159 [PubMed - indexed for MEDLINE]
-  **23:** [Mamiya T, Yamada K, Miyamoto Y, Konig N, Watanabe Y, Noda Y, Nabeshima T.](#) [Related Articles, Links](#)
-  Neuronal mechanism of nociceptin-induced modulation of learning and memory: involvement of N-methyl-D-aspartate receptors.
Mol Psychiatry. 2003 Aug;8(8):752-65.
PMID: 12888804 [PubMed - indexed for MEDLINE]
-  **24:** [Dihne M, Bernreuther C, Sibbe M, Paulus W, Schachner M.](#) [Related Articles, Links](#)
-  A new role for the cell adhesion molecule L1 in neural precursor cell proliferation, differentiation, and transmitter-specific subtype generation.
J Neurosci. 2003 Jul 23;23(16):6638-50.
PMID: 12878705 [PubMed - indexed for MEDLINE]
-  **25:** [Jansen HT, Cutter C, Hardy S, Lehman MN, Goodman RL.](#) [Related Articles, Links](#)
-  Seasonal plasticity within the gonadotropin-releasing hormone (GnRH) system of the ewe: changes in identified GnRH inputs and glial association.
Endocrinology. 2003 Aug;144(8):3663-76.
PMID: 12865349 [PubMed - indexed for MEDLINE]


 **26:** [Greenberg DA.](#) [Related Articles](#), [Links](#)

 **Linking acquired neurodevelopmental disorders to defects in cell adhesion.**
Proc Natl Acad Sci U S A. 2003 Jul 8;100(14):8043-4. Epub 2003 Jun 30. No abstract available.
PMID: 12835424 [PubMed - indexed for MEDLINE]


 **27:** [Tamura S, Morikawa Y, Miyajima A, Senba E.](#) [Related Articles](#), [Links](#)


 **Expression of oncostatin M receptor beta in a specific subset of nociceptive sensory neurons.**
Eur J Neurosci. 2003 Jun;17(11):2287-98.
PMID: 12814362 [PubMed - indexed for MEDLINE]


 **28:** [Wilkemeyer MF, Chen SY, Menkari CE, Brenneisen DE, Sulik KK, Charness ME.](#) [Related Articles](#), [Links](#)

 **Differential effects of ethanol antagonism and neuroprotection in peptide fragment NAPVSIPQ prevention of ethanol-induced developmental toxicity.**
Proc Natl Acad Sci U S A. 2003 Jul 8;100(14):8543-8. Epub 2003 Jun 13.
PMID: 12808140 [PubMed - indexed for MEDLINE]


 **29:** [Wang XX, Dangott LJ, Pfenninger KH.](#) [Related Articles](#), [Links](#)


 **The heterogeneous growth cone glycoprotein gp93 is identical to the signal regulatory protein SIRPalpha/SHPS-1/BIT.**
J Neurochem. 2003 Jul;86(1):55-60.
PMID: 12807424 [PubMed - indexed for MEDLINE]


 **30:** [Kiselyov VV, Skladchikova G, Hinsby AM, Jensen PH, Kulahin N, Soroka V, Pedersen N, Tsetlin V, Poulsen FM, Berezin V, Bock E.](#) [Related Articles](#), [Links](#)


 **Structural basis for a direct interaction between FGFR1 and NCAM and evidence for a regulatory role of ATP.**
Structure (Camb). 2003 Jun;11(6):691-701.
PMID: 12791257 [PubMed - indexed for MEDLINE]


 **31:** [Vutskits L, Gascon E, Kiss JZ.](#) [Related Articles](#), [Links](#)


 **Removal of PSA from NCAM affects the survival of magnocellular vasopressin- and oxytocin-producing neurons in organotypic cultures of the paraventricular nucleus.**
Eur J Neurosci. 2003 May;17(10):2119-26.
PMID: 12786978 [PubMed - indexed for MEDLINE]

 **32:** [Stewart JD, Masi TL, Cumming AE, Molnar GM, Wentworth BM, Sampath K, McPherson JM, Yaeger PC.](#) [Related Articles](#), [Links](#)



















 **Characterization of proliferating human skeletal muscle-derived cells in vitro: differential modulation of myoblast markers by TGF-beta2.**
J Cell Physiol. 2003 Jul;196(1):70-8.
PMID: 12767042 [PubMed - indexed for MEDLINE]

 **33:** [Wuhrer M, Geyer H, von der Ohe M, Gerardy-Schahn R, Schachner M, Geyer R.](#) [Related Articles](#), [Links](#)




















 **Localization of defined carbohydrate epitopes in bovine polysialylated NCAM.**
Biochimie. 2003 Jan-Feb;85(1-2):207-18.
PMID: 12765790 [PubMed - in process]

 **34:** [Konemann S, Bolling T, Schuck A, Malath J, Kolkmeier A, Horn K, Riesenbeck D, Hesselmann S, Diallo R, Vormoor J, Willich NA.](#) [Related Articles](#), [Links](#)


Effect of radiation on Ewing tumour subpopulations characterized on a


-  single-cell level: intracellular cytokine, immunophenotypic, DNA and apoptotic profile.
Int J Radiat Biol. 2003 Mar;79(3):181-92.
PMID: 12745883 [PubMed - indexed for MEDLINE]
-  **35:** [Leshchyns'ka I, Sytnyk V, Morrow JS, Schachner M.](#) [Related Articles, Links](#)
-  Neural cell adhesion molecule (NCAM) association with PKC β 2 via β actin spectrin is implicated in NCAM-mediated neurite outgrowth.
J Cell Biol. 2003 May 12;161(3):625-39.
PMID: 12743109 [PubMed - indexed for MEDLINE]
-  **36:** [Lephart ED, Galindo E, Bu LH.](#) [Related Articles, Links](#)
-  Stress (hypothalamic-pituitary-adrenal axis) and pain response in male rats exposed lifelong to high vs. low phytoestrogen diets.
Neurosci Lett. 2003 May 15;342(1-2):65-8.
PMID: 12727319 [PubMed - indexed for MEDLINE]
-  **37:** [Nguyen L, Malgrange B, Breuskin I, Bettendorff L, Moonen G, Belachew S, Rigo JM.](#) [Related Articles, Links](#)
-  Autocrine/paracrine activation of the GABA(A) receptor inhibits the proliferation of neurogenic polysialylated neural cell adhesion molecule-positive (PSA-NCAM+) precursor cells from postnatal striatum.
J Neurosci. 2003 Apr 15;23(8):3278-94.
PMID: 12716935 [PubMed - indexed for MEDLINE]
-  **38:** [Lehman MN, Coolen LM, Goodman RL, Viguie C, Billings HJ, Karsch FJ.](#) [Related Articles, Links](#)
-  Seasonal plasticity in the brain: the use of large animal models for neuroanatomical research.
Reprod Suppl. 2002;59:149-65. Review.
PMID: 12698979 [PubMed - indexed for MEDLINE]
-  **39:** [Dong L, Chen S, Schachner M.](#) [Related Articles, Links](#)
-  Single chain Fv antibodies against neural cell adhesion molecule L1 trigger L1 functions in cultured neurons.
Mol Cell Neurosci. 2003 Feb;22(2):234-47.
PMID: 12676533 [PubMed - indexed for MEDLINE]
-  **40:** [Gago N, Avellana-Adalid V, Evercooren AB, Schumacher M.](#) [Related Articles, Links](#)
-  Control of cell survival and proliferation of postnatal PSA-NCAM(+) progenitors.
Mol Cell Neurosci. 2003 Feb;22(2):162-78.
PMID: 12676527 [PubMed - indexed for MEDLINE]
-  **41:** [Wu J, Jester WF Jr, Laslett AL, Meinhardt A, Orth JM.](#) [Related Articles, Links](#)
-  Expression of a novel factor, short-type PB-cadherin, in Sertoli cells and spermatogenic stem cells of the neonatal rat testis.
J Endocrinol. 2003 Mar;176(3):381-91.
PMID: 12630923 [PubMed - indexed for MEDLINE]
-  **42:** [Michal J, Xiang Z, Davenport G, Hayek M, Dodson MV, Byrne KM.](#) [Related Articles, Links](#)
-  Isolation and characterization of canine satellite cells.
In Vitro Cell Dev Biol Anim. 2002 Sep;38(8):467-80.
PMID: 12605541 [PubMed - indexed for MEDLINE]
-  **43:** [Rolf B, Lang D, Hillenbrand R, Richter M, Schachner M, Bartsch U.](#) [Related Articles, Links](#)

Altered expression of CHL1 by glial cells in response to optic nerve injury


-  and intravitreal application of fibroblast growth factor-2.
J Neurosci Res. 2003 Mar 15;71(6):835-43.
PMID: 12605410 [PubMed - indexed for MEDLINE]
-  **44:** [Chen S, Samuel W, Fariss RN, Duncan T, Kutty RK, Wiggert B.](#) [Related Articles, Links](#)
 Differentiation of human retinal pigment epithelial cells into neuronal phenotype by N-(4-hydroxyphenyl)retinamide.
J Neurochem. 2003 Mar;84(5):972-81.
PMID: 12603822 [PubMed - indexed for MEDLINE]
-  **45:** [Yabe U, Sato C, Matsuda T, Kitajima K.](#) [Related Articles, Links](#)
 Polysialic acid in human milk. CD36 is a new member of mammalian polysialic acid-containing glycoprotein.
J Biol Chem. 2003 Apr 18;278(16):13875-80. Epub 2003 Feb 07.
PMID: 12576469 [PubMed - indexed for MEDLINE]
-  **46:** [Briguet A, Bleckmann D, Bettan M, Mermoud N, Meier T.](#) [Related Articles, Links](#)
 Transcriptional activation of the utrophin promoter B by a constitutively active Ets-transcription factor.
Neuromuscul Disord. 2003 Feb;13(2):143-50.
PMID: 12565912 [PubMed - indexed for MEDLINE]
-  **47:** [Zak-Prelich M, McKenzie RC, Sysa-Jedrzejowska A, Norval M.](#) [Related Articles, Links](#)
 Local immune responses and systemic cytokine responses in zoster: relationship to the development of postherpetic neuralgia.
Clin Exp Immunol. 2003 Feb;131(2):318-23.
PMID: 12562395 [PubMed - indexed for MEDLINE]
-  **48:** [Ditlevsen DK, Kohler LB, Pedersen MV, Risell M, Kolikova K, Meyer M, Berezin V, Bock E.](#) [Related Articles, Links](#)
 The role of phosphatidylinositol 3-kinase in neural cell adhesion molecule-mediated neuronal differentiation and survival.
J Neurochem. 2003 Feb;84(3):546-56.
PMID: 12558974 [PubMed - indexed for MEDLINE]
-  **49:** [Mariggio MA, Guarnieri S, Mariggio S, Morabito C, Gianfranceschi GL, Fano G.](#) [Related Articles, Links](#)
 N-CAM expression and localization in PC12 cells modulated by extracellular peptides.
Peptides. 2002 Dec;23(12):2151-61.
PMID: 12535693 [PubMed - indexed for MEDLINE]
-  **50:** [Dong L, Chen S, Bartsch U, Schachner M.](#) [Related Articles, Links](#)
 Generation of affinity matured scFv antibodies against mouse neural cell adhesion molecule L1 by phage display.
Biochem Biophys Res Commun. 2003 Jan 31;301(1):60-70.
PMID: 12535641 [PubMed - indexed for MEDLINE]
-  **51:** [Demnyanenko GP, Maness PF.](#) [Related Articles, Links](#)
 The L1 cell adhesion molecule is essential for topographic mapping of retinal axons.
J Neurosci. 2003 Jan 15;23(2):530-8.
PMID: 12533613 [PubMed - indexed for MEDLINE]
-  **52:** [Schwanzel-Fukuda M, Pfaff DW.](#) [Related Articles, Links](#)
 Angiogenesis in association with the migration of gonadotropic hormone-releasing hormone (GnRH) systems in embryonic mice, early human embryos and in a fetus with Kallmann's syndrome.


Prog Brain Res. 2002;141:59-77. No abstract available.
PMID: 12508561 [PubMed - indexed for MEDLINE]


-  **53:** [Kiryushko D, Kofoed T, Skladchikova G, Holm A, Berezin V, Bock E.](#) [Related Articles, Links](#)

 A synthetic peptide ligand of neural cell adhesion molecule (NCAM), C3d, promotes neuritogenesis and synaptogenesis and modulates presynaptic function in primary cultures of rat hippocampal neurons.
J Biol Chem. 2003 Apr 4;278(14):12325-34. Epub 2002 Dec 26.
PMID: 12502709 [PubMed - indexed for MEDLINE]


-  **54:** [Yamamoto N.](#) [Related Articles, Links](#)


 [Mechanisms for the formation of thalamocortical projection]
Tanpakushitsu Kakusan Koso. 2002 Dec;47(15):2010-5. Review. Japanese. No abstract available.
PMID: 12486932 [PubMed - indexed for MEDLINE]


-  **55:** [Klementiev B, Bichevaja N, Novikova T, Chebotar N, Bock E, Berezin V.](#) [Related Articles, Links](#)


 A peptide agonist of the neural cell adhesion molecule (NCAM), C3, protects against developmental defects induced by a teratogen pyrimethamine.
Int J Dev Neurosci. 2002 Nov;20(7):527-36.
PMID: 12485621 [PubMed - indexed for MEDLINE]


-  **56:** [Lyngstrand ST, Wurtzen PA, Odum N, Nissen MH, Ropke C.](#) [Related Articles, Links](#)

 IL-15 induces unspecific effector functions in human peptide-specific CD8+ T-cell cultures.
Scand J Immunol. 2002 Dec;56(6):602-10.
PMID: 12472672 [PubMed - indexed for MEDLINE]


-  **57:** [Castellani V, De Angelis E, Kenwrick S, Rougon G.](#) [Related Articles, Links](#)


 Cis and trans interactions of L1 with neuropilin-1 control axonal responses to semaphorin 3A.
EMBO J. 2002 Dec 2;21(23):6348-57.
PMID: 12456642 [PubMed - indexed for MEDLINE]


-  **58:** [Ronn LC, Olsen M, Soroka V, Ostergaard S, Dissing S, Poulsen FM, Holm A, Berezin V, Bock E.](#) [Related Articles, Links](#)


 Characterization of a novel NCAM ligand with a stimulatory effect on neurite outgrowth identified by screening a combinatorial peptide library.
Eur J Neurosci. 2002 Nov;16(9):1720-30.
PMID: 12431225 [PubMed - indexed for MEDLINE]



















-  **59:** [Maile LA, Clemmons DR.](#) [Related Articles, Links](#)

 The alphaVbeta3 integrin regulates insulin-like growth factor I (IGF-I) receptor phosphorylation by altering the rate of recruitment of the Src-homology 2-containing phosphotyrosine phosphatase-2 to the activated IGF-I receptor.
Endocrinology. 2002 Nov;143(11):4259-64.
PMID: 12399420 [PubMed - indexed for MEDLINE]











-  **60:** [Kaur G, Heera PK, Srivastava LK.](#) [Related Articles, Links](#)

 Neuroendocrine plasticity in GnRH release during rat estrous cycle: correlation with molecular markers of synaptic remodeling.
Brain Res. 2002 Nov 1;954(1):21-31.
PMID: 12393229 [PubMed - indexed for MEDLINE]


-  **61:** [Nagaeva O, Jonsson L, Mincheva-Nilsson L.](#) [Related Articles, Links](#)

-  **Dominant IL-10 and TGF-beta mRNA expression in gammadeltaT cells of human early pregnancy decidua suggests immunoregulatory potential.**
Am J Reprod Immunol. 2002 Jul;48(1):9-17.
PMID: 12322898 [PubMed - indexed for MEDLINE]
-  **62:** [Flugel-Koch C, Ohlmann A, Piatigorsky J, Tamm ER.](#) [Related Articles, Links](#)
-  **Disruption of anterior segment development by TGF-beta1 overexpression in the eyes of transgenic mice.**
Dev Dyn. 2002 Oct;225(2):111-25.
PMID: 12242711 [PubMed - indexed for MEDLINE]
-  **63:** [Dietrich J, Noble M, Mayer-Proschel M.](#) [Related Articles, Links](#)
-  **Characterization of A2B5+ glial precursor cells from cryopreserved human fetal brain progenitor cells.**
Glia. 2002 Oct;40(1):65-77.
PMID: 12237844 [PubMed - indexed for MEDLINE]
-  **64:** [Dong L, Chen S, Richter M, Schachner M.](#) [Related Articles, Links](#)
-  **Single-chain variable fragment antibodies against the neural adhesion molecule CHL1 (close homolog of L1) enhance neurite outgrowth.**
J Neurosci Res. 2002 Aug 15;69(4):437-47.
PMID: 12210838 [PubMed - indexed for MEDLINE]
-  **65:** [Lindholm CK.](#) [Related Articles, Links](#)
-  **IL-2 receptor signaling through the Shb adapter protein in T and NK cells.**
Biochem Biophys Res Commun. 2002 Aug 30;296(4):929-36.
PMID: 12200137 [PubMed - indexed for MEDLINE]
-  **66:** [Miller MW, Luo J.](#) [Related Articles, Links](#)
-  **Effects of ethanol and transforming growth factor beta (TGF beta) on neuronal proliferation and nCAM expression.**
Alcohol Clin Exp Res. 2002 Aug;26(8):1281-5.
PMID: 12198406 [PubMed - indexed for MEDLINE]
-  **67:** [Pacz PM, Marta CB, Moreno MB, Soto EF, Pasquini JM.](#) [Related Articles, Links](#)
-  **Apotransferrin decreases migration and enhances differentiation of oligodendroglial progenitor cells in an in vitro system.**
Dev Neurosci. 2002;24(1):47-58.
PMID: 12145410 [PubMed - indexed for MEDLINE]
-  **68:** [Petrella T, Comeau MR, Maynadie M, Couillault G, De Muret A, Maliszewski CR, Dalac S, Durlach A, Galibert L.](#) [Related Articles, Links](#)
-  **'Agranular CD4+ CD56+ hematodermic neoplasm' (blastic NK-cell lymphoma) originates from a population of CD56+ precursor cells related to plasmacytoid monocytes.**
Am J Surg Pathol. 2002 Jul;26(7):852-62.
PMID: 12131152 [PubMed - indexed for MEDLINE]
-  **69:** [Lahr G, Mayerhofer A.](#) [Related Articles, Links](#)
-  **Expression of the Neural Cell Adhesion Molecule NCAM by Peptide- and Steroid-Producing Endocrine Cells and Tumors: Alternatively Spliced Forms and Polysialylation.**
Endocr Pathol. 1995 Summer;6(2):91-101.
PMID: 12114645 [PubMed - as supplied by publisher]
-  **70:** [Gonzalez de Peredo A, Klein D, Macek B, Hess D, Peter-Katalinic J, Hofsteenge J.](#) [Related Articles, Links](#)

C-mannosylation and o-fucosylation of thrombospondin type 1 repeats.

-  Mol Cell Proteomics. 2002 Jan;1(1):11-8.
PMID: 12096136 [PubMed - indexed for MEDLINE]
-  **71:** Egger B, Leemans R, Loop T, Kammermeier L, Fan Y, Radimerski T, Strahm MC, Certa U, Reichert H. [Related Articles](#), [Links](#)
Gliogenesis in Drosophila: genome-wide analysis of downstream genes of glial cells missing in the embryonic nervous system.
Development. 2002 Jul;129(14):3295-309.
PMID: 12091301 [PubMed - indexed for MEDLINE]
-  **72:** Prevost N, Woulfe D, Tanaka T, Brass LF. [Related Articles](#), [Links](#)
Interactions between Eph kinases and ephrins provide a mechanism to support platelet aggregation once cell-to-cell contact has occurred.
Proc Natl Acad Sci U S A. 2002 Jul 9;99(14):9219-24. Epub 2002 Jun 25.
PMID: 12084815 [PubMed - indexed for MEDLINE]
-  **73:** Flory JD, Matthews KA, Sistilli CG, Caggiula AR, Berga SL, Owens JF. [Related Articles](#), [Links](#)
Short-term suppression of ovarian function and immune measures in healthy women.
Psychoneuroendocrinology. 2002 Aug;27(6):749-68.
PMID: 12084666 [PubMed - indexed for MEDLINE]
-  **74:** Thelen K, Kedar V, Panicker AK, Schmid RS, Midkiff BR, Maness PF. [Related Articles](#), [Links](#)
The neural cell adhesion molecule L1 potentiates integrin-dependent cell migration to extracellular matrix proteins.
J Neurosci. 2002 Jun 15;22(12):4918-31.
PMID: 12077189 [PubMed - indexed for MEDLINE]
-  **75:** Saban MR, Nguyen NB, Hammond TG, Saban R. [Related Articles](#), [Links](#)
Gene expression profiling of mouse bladder inflammatory responses to LPS, substance P, and antigen-stimulation.
Am J Pathol. 2002 Jun;160(6):2095-110.
PMID: 12057914 [PubMed - indexed for MEDLINE]
-  **76:** Toba Y, Horie M, Sango K, Tokashiki A, Matsui F, Oohira A, Kawano H. [Related Articles](#), [Links](#)
Expression and immunohistochemical localization of heparan sulphate proteoglycan N-syndecan in the migratory pathway from the rat olfactory placode.
Eur J Neurosci. 2002 May;15(9):1461-73.
PMID: 12028356 [PubMed - indexed for MEDLINE]
-  **77:** Lee CY, Wan JM. [Related Articles](#), [Links](#)
Immunoregulatory and antioxidant performance of alpha-tocopherol and selenium on human lymphocytes.
Biol Trace Elem Res. 2002 May;86(2):123-36.
PMID: 12008975 [PubMed - indexed for MEDLINE]
-  **78:** Ronn LC, Dissing S, Holm A, Berezin V, Bock E. [Related Articles](#), [Links](#)
Increased intracellular calcium is required for neurite outgrowth induced by a synthetic peptide ligand of NCAM.
FEBS Lett. 2002 May 8;518(1-3):60-6.
PMID: 11997018 [PubMed - indexed for MEDLINE]
-  **79:** Gubbay O, Critchley HO, Bowen JM, King A, Jabbour HN. [Related Articles](#), [Links](#)
Prolactin induces ERK phosphorylation in epithelial and CD56(+) natural killer cells of the human endometrium.

J Clin Endocrinol Metab. 2002 May;87(5):2329-35.
PMID: 11994384 [PubMed - indexed for MEDLINE]


-  **80:** Doukas J, Blease K, Craig D, Ma C, Chandler LA, Sosnowski BA, Pierce GF. [Related Articles](#), [Links](#)



Delivery of FGF genes to wound repair cells enhances arteriogenesis and myogenesis in skeletal muscle.

Mol Ther. 2002 May;5(5 Pt 1):517-27.

PMID: 11991742 [PubMed - indexed for MEDLINE]


-  **81:** Sakurai K, Migita O, Toru M, Arinami T. [Related Articles](#), [Links](#)



An association between a missense polymorphism in the close homologue of L1 (CHL1, CALL) gene and schizophrenia.

Mol Psychiatry. 2002;7(4):412-5.

PMID: 11986985 [PubMed - indexed for MEDLINE]


-  **82:** Soroka V, Kiryushko D, Novitskaya V, Ronn LC, Poulsen FM, Holm A, Bock E, Berezin V. [Related Articles](#), [Links](#)



Induction of neuronal differentiation by a peptide corresponding to the homophilic binding site of the second Ig module of the neural cell adhesion molecule.

J Biol Chem. 2002 Jul 5;277(27):24676-83. Epub 2002 Apr 30.

PMID: 11983682 [PubMed - indexed for MEDLINE]


-  **83:** Baxevanis CN, Gritzapis AD, Tsitsilonis OE, Katsoulas HL, Papamichail M. [Related Articles](#), [Links](#)



HER-2/neu-derived peptide epitopes are also recognized by cytotoxic CD3 (+)CD56(+) (natural killer T) lymphocytes.

Int J Cancer. 2002 Apr 20;98(6):864-72.

PMID: 11948464 [PubMed - indexed for MEDLINE]

-  **84:** Hiroshima K, Iyoda A, Toyozaki T, Haga Y, Baha M, Fujisawa T, Ishikura H, Ohwada H. [Related Articles](#), [Links](#)



Alpha-fetoprotein-producing lung carcinoma: report of three cases.

Pathol Int. 2002 Jan;52(1):46-53.

PMID: 11940206 [PubMed - indexed for MEDLINE]


-  **85:** Au WW, Treloar HB, Greer CA. [Related Articles](#), [Links](#)



Sublaminar organization of the mouse olfactory bulb nerve layer.

J Comp Neurol. 2002 Apr 22;446(1):68-80.

PMID: 11920721 [PubMed - indexed for MEDLINE]

-  **86:** Ohshima K, Tutiya T, Yamaguchi T, Suzuki K, Suzumiya J, Kawasaki C, Haraoka S, Kikuchi M. [Related Articles](#), [Links](#)



Infiltration of Th1 and Th2 lymphocytes around Hodgkin and Reed-Sternberg (H&RS) cells in Hodgkin disease: Relation with expression of CXC and CC chemokines on H&RS cells.

Int J Cancer. 2002 Apr 1;98(4):567-72.

PMID: 11920617 [PubMed - indexed for MEDLINE]


-  **87:** Theodosios DT. [Related Articles](#), [Links](#)



Oxytocin-secreting neurons: A physiological model of morphological neuronal and glial plasticity in the adult hypothalamus.

Front Neuroendocrinol. 2002 Jan;23(1):101-35. Review.

PMID: 11906204 [PubMed - indexed for MEDLINE]




















-  **88:** Nacher J, Blasco-Ibanez JM, McEwen BS. [Related Articles](#), [Links](#)



Non-granule PSA-NCAM immunoreactive neurons in the rat hippocampus.

Brain Res. 2002 Mar 15;930(1-2):1-11.

PMID: 11879789 [PubMed - indexed for MEDLINE]

-  **89:** [Blanchard JM.](#) [Related Articles, Links](#)
-  [Molecular mechanisms of oncogenic transformation: what's new?]
Bull Cancer. 2002 Jan;89(1):9-16. Review. French.
PMID: 11847020 [PubMed - indexed for MEDLINE]
-  **90:** [Granjo E, Lima M, Lopes JM, Fernandes JC, Antunes I, Candeias J, Matutes E.](#) [Related Articles, Links](#)
-  Response to cyclosporine in a patient with disseminated granuloma annulare associated with CD4+/CD8+(dim)/CD56+ large granular lymphocytic leukemia.
Arch Dermatol. 2002 Feb;138(2):274-6. No abstract available.
PMID: 11843663 [PubMed - indexed for MEDLINE]
-  **91:** [Mishra AK, Zhang A, Niu T, Yang J, Liang X, Zhao ZJ, Zhou GW.](#) [Related Articles, Links](#)
-  Substrate specificity of protein tyrosine phosphatase: differential behavior of SHP-1 and SHP-2 towards signal regulation protein SIRPalpha1.
J Cell Biochem. 2002;84(4):840-6.
PMID: 11835408 [PubMed - indexed for MEDLINE]
-  **92:** [Mistry SK, Keefer FW, Cunningham BA, Edelman GM, Crossin KL.](#) [Related Articles, Links](#)
-  Cultured rat hippocampal neural progenitors generate spontaneously active neural networks.
Proc Natl Acad Sci U S A. 2002 Feb 5;99(3):1621-6. Epub 2002 Jan 29.
PMID: 11818538 [PubMed - indexed for MEDLINE]
-  **93:** [Maile LA, Clemmons DR.](#) [Related Articles, Links](#)
-  Regulation of insulin-like growth factor I receptor dephosphorylation by SHPS-1 and the tyrosine phosphatase SHP-2.
J Biol Chem. 2002 Mar 15;277(11):8955-60. Epub 2002 Jan 04.
PMID: 11779860 [PubMed - indexed for MEDLINE]
-  **94:** [Fujisawa H.](#) [Related Articles, Links](#)
-  Inhibitory role of neutrophils on influenza virus multiplication in the lungs of mice.
Microbiol Immunol. 2001;45(10):679-88.
PMID: 11762750 [PubMed - indexed for MEDLINE]
-  **95:** [Kam L, Shain W, Turner JN, Bizios R.](#) [Related Articles, Links](#)
-  Selective adhesion of astrocytes to surfaces modified with immobilized peptides.
Biomaterials. 2002 Jan;23(2):511-5.
PMID: 11761172 [PubMed - indexed for MEDLINE]
-  **96:** [Gianola S, Clairambault P, Franzoni MF.](#) [Related Articles, Links](#)
-  Relationships between neuronal cell adhesion molecule and LHRH neurons in the urodele brain: a developmental immunohistochemical study.
Eur J Histochem. 2001;45(3):229-38.
PMID: 11759809 [PubMed - indexed for MEDLINE]
-  **97:** [Jessen U, Novitskaya V, Pedersen N, Serup P, Berezin V, Bock E.](#) [Related Articles, Links](#)
-  The transcription factors CREB and c-Fos play key roles in NCAM-mediated neuritogenesis in PC12-E2 cells.
J Neurochem. 2001 Dec;79(6):1149-60.
PMID: 11752056 [PubMed - indexed for MEDLINE]
-  **98:** [Schmitt-Ulms G, Legname G, Baldwin MA, Ball HL, Bradon N, Bosque PJ, Crossin KL, Edelman GM, DeArmond SJ, Cohen FE.](#) [Related Articles, Links](#)

Prusiner SB.



Binding of neural cell adhesion molecules (N-CAMs) to the cellular prion protein.

J Mol Biol. 2001 Dec 14;314(5):1209-25.

PMID: 11743735 [PubMed - indexed for MEDLINE]

- ☐ **99:** Grootendorst J, Oitzl MS, Dalm S, Enthoven L, Schachner M, de Kloet ER, Sandi C. [Related Articles](#), [Links](#)



Stress alleviates reduced expression of cell adhesion molecules (NCAM, L1), and deficits in learning and corticosterone regulation of apolipoprotein E knockout mice.

Eur J Neurosci. 2001 Nov;14(9):1505-14.

PMID: 11722612 [PubMed - indexed for MEDLINE]

- ☐ **100:** Jenkins SM, Kizhatil K, Kramarey NR, Sen A, Sealock R, Bennett V. [Related Articles](#), [Links](#)



FIGQY phosphorylation defines discrete populations of L1 cell adhesion molecules at sites of cell-cell contact and in migrating neurons.

J Cell Sci. 2001 Nov;114(Pt 21):3823-35.

PMID: 11719549 [PubMed - indexed for MEDLINE]

- ☐ **101:** Mechtersheimer S, Gutwein P, Agmon-Levin N, Stoeck A, Oleszewski M, Riedle S, Postina R, Fahrenholz F, Fogel M, Lemmon V, Altevogt P. [Related Articles](#), [Links](#)



Ectodomain shedding of L1 adhesion molecule promotes cell migration by autocrine binding to integrins.

J Cell Biol. 2001 Nov 12;155(4):661-73. Erratum in: J Cell Biol 2001 Dec 24;155(7):1359.

PMID: 11706054 [PubMed - indexed for MEDLINE]

- ☐ **102:** Gubkina O, Cremer H, Rougon G. [Related Articles](#), [Links](#)



Mutation in the neural cell adhesion molecule interferes with the differentiation of anterior pituitary secretory cells.

Neuroendocrinology. 2001 Nov;74(5):335-46.

PMID: 11694765 [PubMed - indexed for MEDLINE]

- ☐ **103:** Vawter MP, Usen N, Thatcher L, Ladenheim B, Zhang P, VanderPutten DM, Conant K, Herman MM, van Kammen DP, Sedvall G, Garver DL, Freed WJ. [Related Articles](#), [Links](#)



Characterization of human cleaved N-CAM and association with schizophrenia.

Exp Neurol. 2001 Nov;172(1):29-46.

PMID: 11681838 [PubMed - indexed for MEDLINE]

- ☐ **104:** Wimmel A, Glitz D, Kraus A, Roeder J, Schuermann M. [Related Articles](#), [Links](#)



Axl receptor tyrosine kinase expression in human lung cancer cell lines correlates with cellular adhesion.

Eur J Cancer. 2001 Nov;37(17):2264-74.

PMID: 11677117 [PubMed - indexed for MEDLINE]

- ☐ **105:** Romero MI, Rangappa N, Garry MG, Smith GM. [Related Articles](#), [Links](#)



Functional regeneration of chronically injured sensory afferents into adult spinal cord after neurotrophin gene therapy.

J Neurosci. 2001 Nov 1;21(21):8408-16.

PMID: 11606629 [PubMed - indexed for MEDLINE]

- ☐ **106:** Goto K, Kodama T, Matsuno Y, Yokose T, Asamura H, Kamiya N, Shimosato Y. [Related Articles](#), [Links](#)




Clinicopathologic and DNA cytometric analysis of carcinoid tumors of

the thymus.

Mod Pathol. 2001 Oct;14(10):985-94.

PMID: 11598168 [PubMed - indexed for MEDLINE]

 **107:** Theodosios DT, Poulain DA.

[Related Articles](#), [Links](#)



Maternity leads to morphological synaptic plasticity in the oxytocin system.

Prog Brain Res. 2001;133:49-58. Review.

PMID: 11589144 [PubMed - indexed for MEDLINE]

 **108:** Mehta SK, Kaur I, Grimm EA, Smid C, Feeback DL, Pierson DL.


[Related Articles](#), [Links](#)



Decreased non-MHC-restricted (CD56+) killer cell cytotoxicity after spaceflight.

J Appl Physiol. 2001 Oct;91(4):1814-8.

PMID: 11568167 [PubMed - indexed for MEDLINE]

 **109:** Nacher J, Crespo C, McEwen BS.


[Related Articles](#), [Links](#)



Doublecortin expression in the adult rat telencephalon.

Eur J Neurosci. 2001 Aug;14(4):629-44.

PMID: 11556888 [PubMed - indexed for MEDLINE]

 **110:** Voura EB, Ramjeesingh RA, Montgomery AM, Siu CH.


[Related Articles](#), [Links](#)



Involvement of integrin alpha(v)beta(3) and cell adhesion molecule L1 in transendothelial migration of melanoma cells.

Mol Biol Cell. 2001 Sep;12(9):2699-710.

PMID: 11553709 [PubMed - indexed for MEDLINE]

 **111:** Kontaridis MI, Liu X, Zhang L, Bennett AM.


[Related Articles](#), [Links](#)



SHP-2 complex formation with the SHP-2 substrate-1 during C2C12 myogenesis.

J Cell Sci. 2001 Jun;114(Pt 11):2187-98.

PMID: 11493654 [PubMed - indexed for MEDLINE]

 **112:** Toba Y, Ajiki K, Horie M, Sango K, Kawano H.


[Related Articles](#), [Links](#)



Immunohistochemical localization of calbindin D-28k in the migratory pathway from the rat olfactory placode.

J Neuroendocrinol. 2001 Aug;13(8):683-94.

PMID: 11489085 [PubMed - indexed for MEDLINE]

 **113:** Watanabe T, Oda Y, Tamiya S, Masuda K, Tsuneyoshi M.


[Related Articles](#), [Links](#)



Malignant peripheral nerve sheath tumour arising within neurofibroma. An immunohistochemical analysis in the comparison between benign and malignant components.

J Clin Pathol. 2001 Aug;54(8):631-6.

PMID: 11477120 [PubMed - indexed for MEDLINE]

 **114:** Goswami M, Uzgar AR, Sater AK.


[Related Articles](#), [Links](#)



Regulation of MAP kinase by the BMP-4/TAK1 pathway in Xenopus ectoderm.

Dev Biol. 2001 Aug 15;236(2):259-70.

PMID: 11476570 [PubMed - indexed for MEDLINE]

 **115:** Terai Y, Abe M, Miyamoto K, Koike M, Yamasaki M, Ueda M, Ueki M, Sato Y.


[Related Articles](#), [Links](#)




Vascular smooth muscle cell growth-promoting factor/F-spondin inhibits angiogenesis via the blockade of integrin alphavbeta3 on vascular endothelial cells.

J Cell Physiol. 2001 Sep;188(3):394-402.


PMID: 11473366 [PubMed - indexed for MEDLINE]


-  **116:** [Ebina T, Ogama N, Shimanuki H, Kubota T, Isono N.](#) [Related Articles, Links](#)

 Effector mechanism and clinical response of BAK (BRM-activated killer) immuno-cell therapy for maintaining satisfactory QOL of advanced cancer patients utilizing CD56-positive NIE (neuro-immune-endocrine) cells.

Microbiol Immunol. 2001;45(5):403-11.


PMID: 11471830 [PubMed - indexed for MEDLINE]


-  **117:** [Atkins AR, Chung J, Deeckongkit S, Little EB, Edelman GM, Wright PE, Cunningham BA, Dyson HJ.](#) [Related Articles, Links](#)

 Solution structure of the third immunoglobulin domain of the neural cell adhesion molecule N-CAM: can solution studies define the mechanism of homophilic binding?

J Mol Biol. 2001 Aug 3;311(1):161-72.


PMID: 11469865 [PubMed - indexed for MEDLINE]


-  **118:** [Robertson A, MacColl GS, Nash JA, Boehm MK, Perkins SJ, Bouloux PM.](#) [Related Articles, Links](#)

 Molecular modelling and experimental studies of mutation and cell-adhesion sites in the fibronectin type III and whey acidic protein domains of human anosmin-1.

Biochem J. 2001 Aug 1;357(Pt 3):647-59.


PMID: 11463336 [PubMed - indexed for MEDLINE]


-  **119:** [Mizuno T, Kawasaki M, Nakahira M, Kagamiyama H, Kikuchi Y, Okamoto H, Mori K, Yoshihara Y.](#) [Related Articles, Links](#)

 Molecular diversity in zebrafish NCAM family: three members with different VASE usage and distinct localization.

Mol Cell Neurosci. 2001 Jul;18(1):119-30.

PMID: 11461158 [PubMed - indexed for MEDLINE]


-  **120:** [Opas M, Davies JR, Zhou Y, Dziak E.](#) [Related Articles, Links](#)

 Formation of retinal pigment epithelium in vitro by transdifferentiation of neural retina cells.

Int J Dev Biol. 2001 Jun;45(4):633-42.

PMID: 11460999 [PubMed - indexed for MEDLINE]


-  **121:** [Lu Q, Lemke G.](#) [Related Articles, Links](#)

 Homeostatic regulation of the immune system by receptor tyrosine kinases of the Tyro 3 family.

Science. 2001 Jul 13;293(5528):306-11.


PMID: 11452127 [PubMed - indexed for MEDLINE]


-  **122:** [Schwartzberg PL.](#) [Related Articles, Links](#)

 Immunology. Tampering with the immune system.

Science. 2001 Jul 13;293(5528):228-9. No abstract available.


PMID: 11452106 [PubMed - indexed for MEDLINE]

-  **123:** [Voganatsi A, Panyutich A, Miyasaki KT, Murthy RK.](#) [Related Articles, Links](#)




















 Mechanism of extracellular release of human neutrophil calprotectin complex.

J Leukoc Biol. 2001 Jul;70(1):130-4.


PMID: 11435495 [PubMed - indexed for MEDLINE]

-  **124:** [Liedtke S, Geyer H, Wuhler M, Geyer R, Frank G, Gerardy-Schahn R, Zahringier U, Schachner M.](#) [Related Articles, Links](#)

Characterization of N-glycans from mouse brain neural cell adhesion

-  molecule.
Glycobiology. 2001 May;11(5):373-84. Erratum in: Glycobiology 2001 Sep;11(9):30G-31G.
PMID: 11425798 [PubMed - indexed for MEDLINE]
-  **125:** [Yoneda A, Wang Y, O'Briain DS, Puri P.](#) [Related Articles, Links](#)
 Cell-adhesion molecules and fibroblast growth factor signalling in Hirschsprung's disease.
Pediatr Surg Int. 2001 May;17(4):299-303.
PMID: 11409166 [PubMed - indexed for MEDLINE]
-  **126:** [Tzarfaty-Majar V, Lopez-Alemayr R, Feinstein Y, Gombau L, Goldshmidt O, Soriano E, Munoz-Canoves P, Klar A.](#) [Related Articles, Links](#)
 Plasmin-mediated release of the guidance molecule F-spondin from the extracellular matrix.
J Biol Chem. 2001 Jul 27;276(30):28233-41. Epub 2001 May 18.
PMID: 11359777 [PubMed - indexed for MEDLINE]
-  **127:** [Webb K, Budko E, Neuberger TJ, Chen S, Schachner M, Tresco PA.](#) [Related Articles, Links](#)
 Substrate-bound human recombinant L1 selectively promotes neuronal attachment and outgrowth in the presence of astrocytes and fibroblasts.
Biomaterials. 2001 May;22(10):1017-28.
PMID: 11352083 [PubMed - indexed for MEDLINE]
-  **128:** [Petersen EW, Ostrowski K, Ibfelt T, Richelle M, Offord E, Halkjaer-Kristensen J, Pedersen BK.](#) [Related Articles, Links](#)
 Effect of vitamin supplementation on cytokine response and on muscle damage after strenuous exercise.
Am J Physiol Cell Physiol. 2001 Jun;280(6):C1570-5.
PMID: 11350752 [PubMed - indexed for MEDLINE]
-  **129:** [Consolini R, Calleri A, Legitimo A, Massei F.](#) [Related Articles, Links](#)
 Immunological evaluation of patients with beta-thalassemia major.
Acta Haematol. 2001;105(1):7-12.
PMID: 11340247 [PubMed - indexed for MEDLINE]
-  **130:** [Racciatti D, Vecchiet J, Ceccomancini A, Ricci F, Pizzigallo E.](#) [Related Articles, Links](#)
 Chronic fatigue syndrome following a toxic exposure.
Sci Total Environ. 2001 Apr 10;270(1-3):27-31.
PMID: 11327394 [PubMed - indexed for MEDLINE]
-  **131:** [Suzuki A, Hiraoka N, Suzuki M, Angata K, Misra AK, McAuliffe J, Hindsgaul O, Fukuda M.](#) [Related Articles, Links](#)
 Molecular cloning and expression of a novel human beta-Gal-3-O-sulfotransferase that acts preferentially on N-acetyllactosamine in N- and O-glycans.
J Biol Chem. 2001 Jun 29;276(26):24388-95. Epub 2001 Apr 25.
PMID: 11323440 [PubMed - indexed for MEDLINE]
-  **132:** [Botham CA, Jones GV, Kendall MD.](#) [Related Articles, Links](#)
 Immuno-characterisation of neuroendocrine cells of the rat thymus gland in vitro and in vivo.
Cell Tissue Res. 2001 Mar;303(3):381-9.
PMID: 11320654 [PubMed - indexed for MEDLINE]
-  **133:** [Kadioglu P, Acbay O, Demir G, Gazioglu N, Gundogdu S.](#) [Related Articles, Links](#)
 The effect of prolactin and bromocriptine on human peripheral immune status.

J Endocrinol Invest. 2001 Mar;24(3):147-51.
PMID: 11314742 [PubMed - indexed for MEDLINE]

-  **134:** Wagner C, Hansch GM, Siegmayer S, Deneffle B, Hug F, Schoels M. [Related Articles](#), [Links](#)




The complement receptor 3, CR3 (CD11b/CD18), on T lymphocytes: activation-dependent up-regulation and regulatory function.
Eur J Immunol. 2001 Apr;31(4):1173-80.
PMID: 11298342 [PubMed - indexed for MEDLINE]

-  **135:** Tzarfati-Majar V, Burstyn-Cohen T, Klar A. [Related Articles](#), [Links](#)




F-spondin is a contact-repellent molecule for embryonic motor neurons.
Proc Natl Acad Sci U S A. 2001 Apr 10;98(8):4722-7. Epub 2001 Apr 03.
PMID: 11287656 [PubMed - indexed for MEDLINE]

-  **136:** Kleene R, Yang H, Kutsche M, Schachner M. [Related Articles](#), [Links](#)



The neural recognition molecule L1 is a sialic acid-binding lectin for CD24, which induces promotion and inhibition of neurite outgrowth.
J Biol Chem. 2001 Jun 15;276(24):21656-63. Epub 2001 Mar 30.
PMID: 11283023 [PubMed - indexed for MEDLINE]

-  **137:** Bernard-Kargar C, Kassis N, Berthault MF, Pralong W, Ktorza A. [Related Articles](#), [Links](#)




Sialylated form of the neural cell adhesion molecule (NCAM): a new tool for the identification and sorting of beta-cell subpopulations with different functional activity.
Diabetes. 2001 Feb;50 Suppl 1:S125-30.
PMID: 11272170 [PubMed - indexed for MEDLINE]

-  **138:** Yip PM, Siu CH. [Related Articles](#), [Links](#)




PC12 cells utilize the homophilic binding site of L1 for cell-cell adhesion but L1-alpha5beta3 interaction for neurite outgrowth.
J Neurochem. 2001 Mar;76(5):1552-64.
PMID: 11238739 [PubMed - indexed for MEDLINE]

-  **139:** Schmitt DA, Schwarzenberg M, Tkaczuk J, Hebrard S, Brandenberger G, Mauco G, Cogoli-Greuter M, Abbai M. [Related Articles](#), [Links](#)




Head-down tilt bed rest and immune responses.
Pflugers Arch. 2000;441(2-3 Suppl):R79-84.
PMID: 11200985 [PubMed - indexed for MEDLINE]

-  **140:** Viguie C, Jansen JT, Glass JD, Watanabe M, Billings HJ, Coolen L, Lehman MN, Karsch FJ. [Related Articles](#), [Links](#)




Potential for polysialylated form of neural cell adhesion molecule-mediated neuroplasticity within the gonadotropin-releasing hormone neurosecretory system of the ewe.
Endocrinology. 2001 Mar;142(3):1317-24.
PMID: 11181550 [PubMed - indexed for MEDLINE]

-  **141:** Yoshida S, Miyazaki M, Zhang QZ, Sakai K, Fujimoto I, Ikenaka K, Ikemoto A, Watanabe S, Okuyama H. [Related Articles](#), [Links](#)



Change of oligosaccharides of rat brain microsomes depending on dietary fatty acids and learning task.
J Neurosci Res. 2001 Jan 15;63(2):185-95.
PMID: 11169628 [PubMed - indexed for MEDLINE]

-  **142:** Ziske C, Marten A, Schottker B, Buttgereit P, Schakowski F, Gorschluter M, von Rucker A, Scheffold C, Chao N, Sauerbruch T, Schmidt-Wolf IG. [Related Articles](#), [Links](#)




Resistance of pancreatic carcinoma cells is reversed by coculturing NK-

like T cells with dendritic cells pulsed with tumor-derived RNA and CA 19-9.

Mol Ther. 2001 Jan;3(1):54-60.

PMID: 11162311 [PubMed - indexed for MEDLINE]


-  **143:** Chico J, Kang MH, Bergan R, Abraham J, Bakke S, Meadows B, Rutt A, Robey R, Choyke P, Merino M, Goldspiel B, Smith T, Steinberg S, Figg WD, Fojo T, Bates S. [Related Articles](#), [Links](#)



Phase I study of infusional paclitaxel in combination with the P-glycoprotein antagonist PSC 833.

J Clin Oncol. 2001 Feb 1;19(3):832-42.

PMID: 11157037 [PubMed - indexed for MEDLINE]


-  **144:** Murakami S, Seki T, Rutishauser U, Arai Y. [Related Articles](#), [Links](#)



Enzymatic removal of polysialic acid from neural cell adhesion molecule perturbs the migration route of luteinizing hormone-releasing hormone neurons in the developing chick forebrain.

J Comp Neurol. 2000 May 1;420(2):171-81.

PMID: 10753305 [PubMed - indexed for MEDLINE]

-  **145:** Monnier PP, Beck SG, Bolz J, Henke-Fahle S. [Related Articles](#), [Links](#)



The polysialic acid moiety of the neural cell adhesion molecule is involved in intraretinal guidance of retinal ganglion cell axons.

Dev Biol. 2001 Jan 1;229(1):1-14.

PMID: 11133150 [PubMed - indexed for MEDLINE]


-  **146:** Peretto P, Luzzati F, Bonfanti L, De Marchis S, Fasolo A. [Related Articles](#), [Links](#)



Aminoacyl-histidine dipeptides in the glial cells of the adult rabbit forebrain.

Peptides. 2000 Nov;21(11):1717-24.

PMID: 11090927 [PubMed - indexed for MEDLINE]


-  **147:** Decker L, Avellana-Adalid V, Nait-Oumesmar B, Durbec P, Baron-Van Evercooren A. [Related Articles](#), [Links](#)



Oligodendrocyte precursor migration and differentiation: combined effects of PSA residues, growth factors, and substrates.

Mol Cell Neurosci. 2000 Oct;16(4):422-39.

PMID: 11085879 [PubMed - indexed for MEDLINE]

-  **148:** Ohkubo N, Mitsuda N, Tamatani M, Yamaguchi A, Lee YD, Ogihara T, Vitek MP, Tohyama M. [Related Articles](#), [Links](#)



Apolipoprotein E4 stimulates cAMP response element-binding protein transcriptional activity through the extracellular signal-regulated kinase pathway.

J Biol Chem. 2001 Feb 2;276(5):3046-53. Epub 2000 Oct 20.

PMID: 11042199 [PubMed - indexed for MEDLINE]

-  **149:** Liu Q, Dwyer ND, O'Leary DD. [Related Articles](#), [Links](#)



Differential expression of COUP-TFI, CHL1, and two novel genes in developing neocortex identified by differential display PCR.

J Neurosci. 2000 Oct 15;20(20):7682-90.

PMID: 11027229 [PubMed - indexed for MEDLINE]


-  **150:** Chang RC, Hudson P, Wilson B, Liu B, Abel H, Hemperly J, Hong JS. [Related Articles](#), [Links](#)



Immune modulatory effects of neural cell adhesion molecules on lipopolysaccharide-induced nitric oxide production by cultured glia.

Brain Res Mol Brain Res. 2000 Sep 30;81(1-2):197-201.

PMID: 11000493 [PubMed - indexed for MEDLINE]


-  **151:** [Saghatelian AK, Gorissen S, Albert M, Hertlein B, Schachner M, Dityatev A.](#) [Related Articles, Links](#)



The extracellular matrix molecule tenascin-R and its HNK-1 carbohydrate modulate perisomatic inhibition and long-term potentiation in the CA1 region of the hippocampus.

Eur J Neurosci. 2000 Sep;12(9):3331-42.

PMID: 10998116 [PubMed - indexed for MEDLINE]


-  **152:** [Dirnhofer S, Freund M, Rogatsch H, Krabichler S, Berger P.](#) [Related Articles, Links](#)



Selective expression of trophoblastic hormones by lung carcinoma: neuroendocrine tumors exclusively produce human chorionic gonadotropin alpha-subunit (hCGalpha).

Hum Pathol. 2000 Aug;31(8):966-72.

PMID: 10987258 [PubMed - indexed for MEDLINE]


-  **153:** [Sohnle PG, Hunter MJ, Hahn B, Chazin WJ.](#) [Related Articles, Links](#)



Zinc-reversible antimicrobial activity of recombinant calprotectin (migration inhibitory factor-related proteins 8 and 14).

J Infect Dis. 2000 Oct;182(4):1272-5. Epub 2000 Sep 05.

PMID: 10979933 [PubMed - indexed for MEDLINE]

-  **154:** [Ishimura A, Maeda R, Takeda M, Kikkawa M, Daar IO, Maeno M.](#) [Related Articles, Links](#)



Involvement of BMP-4/msx-1 and FGF pathways in neural induction in the *Xenopus* embryo.

Dev Growth Differ. 2000 Aug;42(4):307-16.

PMID: 10969730 [PubMed - indexed for MEDLINE]


-  **155:** [Prieto AL, Weber JL, Lai C.](#) [Related Articles, Links](#)



Expression of the receptor protein-tyrosine kinases Tyro-3, Axl, and mer in the developing rat central nervous system.

J Comp Neurol. 2000 Sep 18;425(2):295-314.

PMID: 10954847 [PubMed - indexed for MEDLINE]


-  **156:** [Vernon-Wilson EF, Kee WJ, Willis AC, Barclay AN, Simmons DL, Brown MH.](#) [Related Articles, Links](#)



CD47 is a ligand for rat macrophage membrane signal regulatory protein SIRP (OX41) and human SIRPalpha 1.

Eur J Immunol. 2000 Aug;30(8):2130-7.

PMID: 10940903 [PubMed - indexed for MEDLINE]


-  **157:** [Oleszewski M, Gutwein P, von der Lieth W, Rauch U, Altevogt P.](#) [Related Articles, Links](#)



Characterization of the L1-neurocan-binding site. Implications for L1-L1 homophilic binding.

J Biol Chem. 2000 Nov 3;275(44):34478-85.

PMID: 10934197 [PubMed - indexed for MEDLINE]

-  **158:** [Casco VH, Izaguirre MF, Peralta-Soler A, Paz DA.](#) [Related Articles, Links](#)



Expression of polysialic acid, alpha- and beta-cantenins in adult toad testis in hibernation stage and after gonadotrophin--releasing hormone (GnRH) treatment.

Eur J Morphol. 2000 Jul;38(3):167-75.

PMID: 10916170 [PubMed - indexed for MEDLINE]

-  **159:** [Inoue S, Lin SL, Inoue Y.](#) [Related Articles, Links](#)




Chemical analysis of the developmental pattern of polysialylation in chicken brain. Expression of only an extended form of polysialyl chains

during embryogenesis and the presence of disialyl residues in both embryonic and adult chicken brains.

J Biol Chem. 2000 Sep 29;275(39):29968-79.

PMID: 10908565 [PubMed - indexed for MEDLINE]


-  **160:** [Ronn LC, Doherty P, Holm A, Berezin V, Bock E.](#) [Related Articles, Links](#)



Neurite outgrowth induced by a synthetic peptide ligand of neural cell adhesion molecule requires fibroblast growth factor receptor activation.

J Neurochem. 2000 Aug;75(2):665-71.

PMID: 10899941 [PubMed - indexed for MEDLINE]


-  **161:** [Mueller MD, Lebovic DI, Garrett E, Taylor RN.](#) [Related Articles, Links](#)



Neutrophils infiltrating the endometrium express vascular endothelial growth factor: potential role in endometrial angiogenesis.

Fertil Steril. 2000 Jul;74(1):107-12.

PMID: 10899506 [PubMed - indexed for MEDLINE]


-  **162:** [Freedman RS, Kudelka AP, Kavanagh JJ, Verschraegen C, Edwards CL, Nash M, Levy L, Atkinson EN, Zhang HZ, Melichar B, Patenia R, Templin S, Scott W, Platsoucas CD.](#) [Related Articles, Links](#)



Clinical and biological effects of intraperitoneal injections of recombinant interferon-gamma and recombinant interleukin 2 with or without tumor-infiltrating lymphocytes in patients with ovarian or peritoneal carcinoma.

Clin Cancer Res. 2000 Jun;6(6):2268-78.

PMID: 10873077 [PubMed - indexed for MEDLINE]

-  **163:** [Silletti S, Mei F, Sheppard D, Montgomery AM.](#) [Related Articles, Links](#)



Plasmin-sensitive dibasic sequences in the third fibronectin-like domain of L1-cell adhesion molecule (CAM) facilitate homomultimerization and concomitant integrin recruitment.

J Cell Biol. 2000 Jun 26;149(7):1485-502.

PMID: 10871287 [PubMed - indexed for MEDLINE]


-  **164:** [Fukuda M.](#) [Related Articles, Links](#)



[Roles of cell surface carbohydrates in cell adhesion; in particular those for sialyl Lewis x and polysialic acid]

Seikagaku. 2000 Apr;72(4):269-83. Review. Japanese. No abstract available.

PMID: 10853364 [PubMed - indexed for MEDLINE]


-  **165:** [Elbaz N, Bedecs K, Masson M, Sutren M, Strosberg AD, Nahmias C.](#) [Related Articles, Links](#)



Functional trans-inactivation of insulin receptor kinase by growth-inhibitory angiotensin II AT2 receptor.

Mol Endocrinol. 2000 Jun;14(6):795-804.

PMID: 10847582 [PubMed - indexed for MEDLINE]


-  **166:** [Stofega MR, Argetsinger LS, Wang H, Ullrich A, Carter-Su C.](#) [Related Articles, Links](#)



Negative regulation of growth hormone receptor/JAK2 signaling by signal regulatory protein alpha.

J Biol Chem. 2000 Sep 8;275(36):28222-9.

PMID: 10842184 [PubMed - indexed for MEDLINE]



















-  **167:** [Kramer PR, Guerrero G, Krishnamurthy R, Mitchell PJ, Wray S.](#) [Related Articles, Links](#)










































Ectopic expression of luteinizing hormone-releasing hormone and peripherin in the respiratory epithelium of mice lacking transcription factor AP-2alpha.


















Mech Dev. 2000 Jun;94(1-2):79-94.



















PMID: 10842061 [PubMed - indexed for MEDLINE]










-  **168:** [Williams EJ, Williams G, Gour B, Blaschuk O, Doherty P.](#) [Related Articles, Links](#)
 **INP, a novel N-cadherin antagonist targeted to the amino acids that flank the HAV motif.**
Mol Cell Neurosci. 2000 May;15(5):456-64.
PMID: 10833302 [PubMed - indexed for MEDLINE]
-  **169:** [Yan RT, Wang SZ.](#) [Related Articles, Links](#)
 **Differential induction of gene expression by basic fibroblast growth factor and neuroD in cultured retinal pigment epithelial cells.**
Vis Neurosci. 2000 Mar-Apr;17(2):157-64.
PMID: 10824670 [PubMed - indexed for MEDLINE]
-  **170:** [Foley AG, Hartz BP, Gallagher HC, Ronn LC, Berezin V, Bock E, Regan CM.](#) [Related Articles, Links](#)
 **A synthetic peptide ligand of neural cell adhesion molecule (NCAM) IgI domain prevents NCAM internalization and disrupts passive avoidance learning.**
J Neurochem. 2000 Jun;74(6):2607-13.
PMID: 10820224 [PubMed - indexed for MEDLINE]
-  **171:** [Gutwein P, Oleszewski M, Mechtersheimer S, Agmon-Levin N, Krauss K, Altevogt P.](#) [Related Articles, Links](#)
 **Role of Src kinases in the ADAM-mediated release of L1 adhesion molecule from human tumor cells.**
J Biol Chem. 2000 May 19;275(20):15490-7.
PMID: 10809781 [PubMed - indexed for MEDLINE]
-  **172:** [Barber RD, Jaworsky DE, Yau KW, Ronnett GV.](#) [Related Articles, Links](#)
 **Isolation and in vitro differentiation of conditionally immortalized murine olfactory receptor neurons.**
J Neurosci. 2000 May 15;20(10):3695-704.
PMID: 10804211 [PubMed - indexed for MEDLINE]
-  **173:** [Amoureux MC, Cunningham BA, Edelman GM, Crossin KL.](#) [Related Articles, Links](#)
 **N-CAM binding inhibits the proliferation of hippocampal progenitor cells and promotes their differentiation to a neuronal phenotype.**
J Neurosci. 2000 May 15;20(10):3631-40.
PMID: 10804205 [PubMed - indexed for MEDLINE]
-  **174:** [Ruble DM, Foster DN.](#) [Related Articles, Links](#)
 **Molecular characterization of a new member of the immunoglobulin superfamily that potentially functions in T-cell activation and development.**
Immunogenetics. 2000 Apr;51(4-5):347-57.
PMID: 10803848 [PubMed - indexed for MEDLINE]
-  **175:** [Ezal CH, Marion CD, Smith WC.](#) [Related Articles, Links](#)
 **Primary structure requirements for Xenopus nodal-related 3 and a comparison with regions required by Xenopus nodal-related 2.**
J Biol Chem. 2000 May 12;275(19):14124-31.
PMID: 10799488 [PubMed - indexed for MEDLINE]
-  **176:** [Saito T, Dworacki G, Gooding W, Lotze MT, Whiteside TL.](#) [Related Articles, Links](#)
 **Spontaneous apoptosis of CD8+ T lymphocytes in peripheral blood of patients with advanced melanoma.**
Clin Cancer Res. 2000 Apr;6(4):1351-64.
PMID: 10778963 [PubMed - indexed for MEDLINE]

-  **177:** Abe S, Yamaguchi H. [Related Articles, Links](#)
 **[Host defense mechanisms against fungal infections]**
 Nippon Ishinkin Gakkai Zasshi. 2000;41(2):77-81. Review. Japanese.
 PMID: 10777817 [PubMed - indexed for MEDLINE]
-  **178:** Soares S, von Boxberg Y, Ravaille-Veron M, Vincent JD, Nothias F. [Related Articles, Links](#)
 **Morphofunctional plasticity in the adult hypothalamus induces regulation of polysialic acid-neural cell adhesion molecule through changing activity and expression levels of polysialyltransferases.**
 J Neurosci. 2000 Apr 1;20(7):2551-7.
 PMID: 10729335 [PubMed - indexed for MEDLINE]
-  **179:** Babic I, Schallhorn A, Lindberg FP, Jirik FR. [Related Articles, Links](#)
 **SHPS-1 induces aggregation of Ba/F3 pro-B cells via an interaction with CD47.**
 J Immunol. 2000 Apr 1;164(7):3652-8. Erratum in: J Immunol 2000 May 15;164(10):5532.
 PMID: 10725722 [PubMed - indexed for MEDLINE]
-  **180:** Chan MC, Mather JP, McCray G, Lee WM. [Related Articles, Links](#)
 **Identification and regulation of receptor tyrosine kinases Rse and Mer and their ligand Gas6 in testicular somatic cells.**
 J Androl. 2000 Mar-Apr;21(2):291-302.
 PMID: 10714824 [PubMed - indexed for MEDLINE]
-  **181:** Perez-Valles A, Sabater-Marco V, Carpio-Manez D, Botella-Estrada R, Nogueira-Vasquez E, Martorell-Cebollada M. [Related Articles, Links](#)
 **Extranodal peripheral T-cell lymphoma with angiocentric growth pattern and Epstein-Barr viral DNA associated affecting paratesticular soft tissue.**
 J Cutan Pathol. 2000 Feb;27(2):80-6.
 PMID: 10678703 [PubMed - indexed for MEDLINE]
-  **182:** Tanaka H, Shan W, Phillips GR, Arndt K, Bozdagi O, Shapiro L, Huntley GW, Benson DL, Colman DR. [Related Articles, Links](#)
 **Molecular modification of N-cadherin in response to synaptic activity.**
 Neuron. 2000 Jan;25(1):93-107.
 PMID: 10707975 [PubMed - indexed for MEDLINE]
-  **183:** Kolkova K, Novitskaya V, Pedersen N, Berezin V, Bock E. [Related Articles, Links](#)
 **Neural cell adhesion molecule-stimulated neurite outgrowth depends on activation of protein kinase C and the Ras-mitogen-activated protein kinase pathway.**
 J Neurosci. 2000 Mar 15;20(6):2238-46.
 PMID: 10704499 [PubMed - indexed for MEDLINE]
-  **184:** Van Wagoner NJ, Benveniste EN. [Related Articles, Links](#)
 **Interleukin-6 expression and regulation in astrocytes.**
 J Neuroimmunol. 1999 Dec;100(1-2):124-39. Review.
 PMID: 10695723 [PubMed - indexed for MEDLINE]
-  **185:** Plata-Salaman CR, Ilyin SE, Turnin NP, Gayle D, Flynn MC, Romanovitch AE, Kelly ME, Bureau Y, Anisman H, McIntyre DC. [Related Articles, Links](#)
 **Kindling modulates the IL-1beta system, TNF-alpha, TGF-beta1, and neuropeptide mRNAs in specific brain regions.**
 Brain Res Mol Brain Res. 2000 Feb 22;75(2):248-58.
 PMID: 10686345 [PubMed - indexed for MEDLINE]

-  **186:** [Yesner R.](#) Related Articles, Links
-  **What is a neuroendocrine tumor?**
Am J Surg Pathol. 2000 Feb;24(2):319-20. No abstract available.
PMID: 10680908 [PubMed - indexed for MEDLINE]
-  **187:** [Daniel L, Trouillas J, Renaud W, Chevallier P, Gouvernet J, Rougon G, Figarella-Branger D.](#) Related Articles, Links
-  **Polysialylated-neural cell adhesion molecule expression in rat pituitary transplantable tumors (spontaneous mammotropic transplantable tumor in Wistar-Furth rats) is related to growth rate and malignancy.**
Cancer Res. 2000 Jan 1;60(1):80-5.
PMID: 10646857 [PubMed - indexed for MEDLINE]
-  **188:** [Aguado E, Santamaria M, Gallego MD, Pena J, Molina JJ.](#) Related Articles, Links
-  **Functional expression of CD43 on human natural killer cells.**
J Leukoc Biol. 1999 Dec;66(6):923-9.
PMID: 10614773 [PubMed - indexed for MEDLINE]
-  **189:** [Sakiyama SE, Schense JC, Hubbell JA.](#) Related Articles, Links
-  **Incorporation of heparin-binding peptides into fibrin gels enhances neurite extension: an example of designer matrices in tissue engineering.**
FASEB J. 1999 Dec;13(15):2214-24.
PMID: 10593869 [PubMed - indexed for MEDLINE]
-  **190:** [Wilkemeyer MF, Pajerski M, Charness ME.](#) Related Articles, Links
-  **Alcohol inhibition of cell adhesion in BMP-treated NG108-15 cells.**
Alcohol Clin Exp Res. 1999 Nov;23(11):1711-20.
PMID: 10591586 [PubMed - indexed for MEDLINE]
-  **191:** [Sano S, Ohnishi H, Kubota M.](#) Related Articles, Links
-  **Gene structure of mouse BIT/SHPS-1.**
Biochem J. 1999 Dec 15;344 Pt 3:667-75.
PMID: 10585853 [PubMed - indexed for MEDLINE]
-  **192:** [Scherer SS.](#) Related Articles, Links
-  **Nodes, paranodes, and incisures: from form to function.**
Ann N Y Acad Sci. 1999 Sep 14;883:131-42. Review.
PMID: 10586239 [PubMed - indexed for MEDLINE]
-  **193:** [Vitry S, Avellana-Adalid V, Hardy R, Lachapelle F, Baron-Van Evercooren A.](#) Related Articles, Links
-  **Mouse oligospheres: from pre-progenitors to functional oligodendrocytes.**
J Neurosci Res. 1999 Dec 15;58(6):735-51.
PMID: 10583906 [PubMed - indexed for MEDLINE]
-  **194:** [Cameron C, Hota-Mitchell S, Chen L, Barrett J, Cao JX, Macaulay C, Willer D, Evans D, McFadden G.](#) Related Articles, Links
-  **The complete DNA sequence of myxoma virus.**
Virology. 1999 Nov 25;264(2):298-318.
PMID: 10562494 [PubMed - indexed for MEDLINE]
-  **195:** [Georgopoulou N, Breen KC.](#) Related Articles, Links
-  **Overexpression of the alpha2,6 (N) sialyltransferase enzyme in human and rat neural cell lines is associated with increased expression of the polysialic acid epitope.**
J Neurosci Res. 1999 Dec 1;58(5):641-51.
PMID: 10561692 [PubMed - indexed for MEDLINE]
-  **196:** [Archer FR, Doherty P, Collins D, Bolsover SR.](#) Related Articles, Links

-  CAMs and FGF cause a local submembrane calcium signal promoting axon outgrowth without a rise in bulk calcium concentration.
Eur J Neurosci. 1999 Oct;11(10):3565-73.
PMID: 10564364 [PubMed - indexed for MEDLINE]
-  **197:** [Vawter MP, Howard AL, Hyde TM, Kleinman JE, Freed WJ.](#) [Related Articles, Links](#)
-  Alterations of hippocampal secreted N-CAM in bipolar disorder and synaptophysin in schizophrenia.
Mol Psychiatry. 1999 Sep;4(5):467-75.
PMID: 10523820 [PubMed - indexed for MEDLINE]
-  **198:** [Alonso G.](#) [Related Articles, Links](#)
-  Neuronal progenitor-like cells expressing polysialylated neural cell adhesion molecule are present on the ventricular surface of the adult rat brain and spinal cord.
J Comp Neurol. 1999 Nov 15;414(2):149-66.
PMID: 10516589 [PubMed - indexed for MEDLINE]
-  **199:** [Ronn LC, Olsen M, Ostergaard S, Kiselyov V, Berezin V, Mortensen MT, Lerche MH, Jensen PH, Soroka V, Saffell JL, Doherty P, Poulsen FM, Bock E, Holm A, Saffells JL.](#) [Related Articles, Links](#)
-  Identification of a neuritogenic ligand of the neural cell adhesion molecule using a combinatorial library of synthetic peptides.
Nat Biotechnol. 1999 Oct;17(10):1000-5. Erratum in: Nat Biotechnol 2000 May;18(5):559. Saffells JL[corrected to Saffell JL].
PMID: 10504702 [PubMed - indexed for MEDLINE]
-  **200:** [Weidner N, Blesch A, Grill RJ, Tuszyński MH.](#) [Related Articles, Links](#)
-  Nerve growth factor-hypersecreting Schwann cell grafts augment and guide spinal cord axonal growth and remyelinate central nervous system axons in a phenotypically appropriate manner that correlates with expression of L1.
J Comp Neurol. 1999 Nov 1;413(4):495-506.
PMID: 10495438 [PubMed - indexed for MEDLINE]
-  **201:** [Kasper C, Rasmussen H, Berezin V, Bock E, Larsen IK.](#) [Related Articles, Links](#)
-  Expression, crystallization and preliminary X-ray analysis of the two amino-terminal Ig domains of the neural cell adhesion molecule (NCAM).
Acta Crystallogr D Biol Crystallogr. 1999 Sep;55 (Pt 9):1598-600.
PMID: 10489458 [PubMed - indexed for MEDLINE]
-  **202:** [Xiao ZC, Ragsdale DS, Mathotra JD, Mattei LN, Braun PE, Schachner M, Isom LL.](#) [Related Articles, Links](#)
-  Tenascin-R is a functional modulator of sodium channel beta subunits.
J Biol Chem. 1999 Sep 10;274(37):26511-7.
PMID: 10473612 [PubMed - indexed for MEDLINE]
-  **203:** [Fiszer U, Czlonkowska A.](#) [Related Articles, Links](#)
-  [Inflammatory changes and immunological disturbances in stroke]
Neurol Neurochir Pol. 1998 Sep-Oct;32(5):1219-27. Review. Polish.
PMID: 10463235 [PubMed - indexed for MEDLINE]
-  **204:** [Tawada T, Fujita K, Sakakura T, Shibutani T, Nagata T, Iguchi M, Kohri K.](#) [Related Articles, Links](#)
-  Distribution of osteopontin and calprotectin as matrix protein in calcium-containing stone.
Urol Res. 1999 Aug;27(4):238-42.
PMID: 10460892 [PubMed - indexed for MEDLINE]

-  **205:** [Abou-Elmagd A, Kujat R, Wrobel K.H.](#) [Related Articles, Links](#)
 Ultrastructure and innervation of water buffalo (*Bubalus bubalis*) seminal vesicle.
 Acta Anat (Basel). 1992;145(4):420-9.
 PMID: 10457788 [PubMed - indexed for MEDLINE]
-  **206:** [Oleszewski M, Beer S, Katich S, Geiger C, Zeller Y, Rauch U, Altevogt P.](#) [Related Articles, Links](#)
 Integrin and neurocan binding to L1 involves distinct Ig domains.
 J Biol Chem. 1999 Aug 27;274(35):24602-10.
 PMID: 10455125 [PubMed - indexed for MEDLINE]
-  **207:** [Sakakura T, Fujita K, Yasui T, Sasaki S, Mabuchi Y, Iguchi M, Kohri K.](#) [Related Articles, Links](#)
 Calcium phosphate stones produced by Madin-Darby canine kidney (MDCK) cells inoculated in nude mice.
 Urol Res. 1999 Jun;27(3):200-5.
 PMID: 10422822 [PubMed - indexed for MEDLINE]
-  **208:** [Beer S, Oleszewski M, Gutwein P, Geiger C, Altevogt P.](#) [Related Articles, Links](#)
 Metalloproteinase-mediated release of the ectodomain of L1 adhesion molecule.
 J Cell Sci. 1999 Aug;112 (Pt 16):2667-75.
 PMID: 10413675 [PubMed - indexed for MEDLINE]
-  **209:** [Feinstein Y, Borrell V, Garcia C, Burstyn-Cohen T, Tzarfaty V, Frumkin A, Nose A, Okamoto H, Higashijima S, Soriano E, Klar A.](#) [Related Articles, Links](#)
 F-spondin and mindin: two structurally and functionally related genes expressed in the hippocampus that promote outgrowth of embryonic hippocampal neurons.
 Development. 1999 Aug;126(16):3637-48.
 PMID: 10409509 [PubMed - indexed for MEDLINE]
-  **210:** [Burstyn-Cohen T, Tzarfaty V, Frumkin A, Feinstein Y, Stoeckli E, Klar A.](#) [Related Articles, Links](#)
 F-Spondin is required for accurate pathfinding of commissural axons at the floor plate.
 Neuron. 1999 Jun;23(2):233-46.
 PMID: 10399931 [PubMed - indexed for MEDLINE]
-  **211:** [Skladchikova G, Ronn L.C., Berezin V, Bock E.](#) [Related Articles, Links](#)
 Extracellular adenosine triphosphate affects neural cell adhesion molecule (NCAM)-mediated cell adhesion and neurite outgrowth.
 J Neurosci Res. 1999 Jul 15;57(2):207-18.
 PMID: 10398298 [PubMed - indexed for MEDLINE]
-  **212:** [Tamm ER, Russell P, Piatigorsky J.](#) [Related Articles, Links](#)
 Development of characterization of a immortal and differentiated murine trabecular meshwork cell line.
 Invest Ophthalmol Vis Sci. 1999 Jun;40(7):1392-403.
 PMID: 10359321 [PubMed - indexed for MEDLINE]
-  **213:** [Luo J, Miller M.W.](#) [Related Articles, Links](#)
 Transforming growth factor beta1-regulated cell proliferation and expression of neural cell adhesion molecule in B104 neuroblastoma cells: differential effects of ethanol.
 J Neurochem. 1999 Jun;72(6):2286-93.
 PMID: 10349837 [PubMed - indexed for MEDLINE]

-  **214:** Fernandez AM, Gonzalez de la Vega AG, Planas B, Torres-Aleman I Related Articles, Links
 Neuroprotective actions of peripherally administered insulin-like growth factor I in the injured olivo-cerebellar pathway.
 Eur J Neurosci. 1999 Jun;11(6):2019-30.
 PMID: 10336671 [PubMed - indexed for MEDLINE]
-  **215:** Jensen PH, Soroka V, Thomsen NK, Ralets I, Berezin V, Bock E, Poulsen FM Related Articles, Links
 Structure and interactions of NCAM modules 1 and 2, basic elements in neural cell adhesion.
 Nat Struct Biol. 1999 May;6(5):486-93.
 PMID: 10331878 [PubMed - indexed for MEDLINE]
-  **216:** Young HE, Steele TA, Bray RA, Detmer K, Blake LW, Lucas PW, Black AC Jr Related Articles, Links
 Human pluripotent and progenitor cells display cell surface cluster differentiation markers CD10, CD13, CD56, and MHC class-I.
 Proc Soc Exp Biol Med. 1999 May;221(1):63-71.
 PMID: 10320633 [PubMed - indexed for MEDLINE]
-  **217:** Filaci G, Bacchetta R, Zanetti M Related Articles, Links
 Is there a role for NK cells in the pathogenesis of multiple sclerosis? A case study.
 Hum Immunol. 1999 Mar;60(3):231-8.
 PMID: 10321959 [PubMed - indexed for MEDLINE]
-  **218:** Lu Q, Gore M, Zhang Q, Carmenisch T, Boast S, Casagrande F, Lai C, Skinner MK, Klein R, Matsushima GK, Earp HS, Goff SP, Lemke G Related Articles, Links
 Tyro-3 family receptors are essential regulators of mammalian spermatogenesis.
 Nature. 1999 Apr 22;398(6729):723-8.
 PMID: 10227296 [PubMed - indexed for MEDLINE]
-  **219:** Drapkin PT, Silverman AJ Related Articles, Links
 Development of the chick olfactory nerve.
 Dev Dyn. 1999 Apr;214(4):349-60.
 PMID: 10213390 [PubMed - indexed for MEDLINE]
-  **220:** Soderlund J, Wennberg L, Castanos-Velez E, Biberfeld P, Zhu S, Tibell A, Groth CG, Korsgren O Related Articles, Links
 Fetal porcine islet-like cell clusters transplanted to cynomolgus monkeys: an immunohistochemical study.
 Transplantation. 1999 Mar 27;67(6):784-91.
 PMID: 10199724 [PubMed - indexed for MEDLINE]
-  **221:** Yew DT, Li WP, Webb SE, Lai HW, Zhang L Related Articles, Links
 Neurotransmitters, peptides, and neural cell adhesion molecules in the cortices of normal elderly humans and Alzheimer patients: a comparison.
 Exp Gerontol. 1999 Jan;34(1):117-33.
 PMID: 10197733 [PubMed - indexed for MEDLINE]
-  **222:** Debby-Brafman A, Burstyn-Cohen T, Klar A, Kalcheim C Related Articles, Links
 F-Spondin, expressed in somite regions avoided by neural crest cells, mediates inhibition of distinct somite domains to neural crest migration.
 Neuron. 1999 Mar;22(3):475-88.
 PMID: 10197528 [PubMed - indexed for MEDLINE]
- Carenini S, Schachner M, Martini R

☐ 223:

Related Articles, Links



Cytochalasin D disrupts the restricted localization of N-CAM, but not of L1, at sites of Schwann cell-neurite and Schwann cell-Schwann cell contact in culture.

J Neurocytol. 1998 Jun;27(6):453-8.

PMID: 10192526 [PubMed - indexed for MEDLINE]

☐ 224:

Endo A, Nagai N, Urano T, Takada Y, Hashimoto K, Takada A.

Related Articles, Links



Proteolysis of neuronal cell adhesion molecule by the tissue plasminogen activator-plasmin system after kainate injection in the mouse hippocampus.

Neurosci Res. 1999 Jan;33(1):1-8.

PMID: 10096465 [PubMed - indexed for MEDLINE]

☐ 225:

Vacca A, Di Marcotullio L, Giannini G, Farina M, Scarpa S.

Related Articles, Links

Stoppacciaro A, Calce A, Maroder M, Frati L, Screpanti I, Gulino A.



Thrombospondin-1 is a mediator of the neurotypic differentiation induced by EGF in thymic epithelial cells.

Exp Cell Res. 1999 Apr 10;248(1):79-86.

PMID: 10094815 [PubMed - indexed for MEDLINE]

☐ 226:

Rosoff ML, Nathanson NM.

Related Articles, Links



Tyrosines 905 and 915 of gp130 are required for maximum induction of m2 muscarinic acetylcholine receptor and VIP gene transcription by cytokines in neuronal cells.

Cell Mol Neurobiol. 1999 Apr;19(2):289-96.

PMID: 10081611 [PubMed - indexed for MEDLINE]

☐ 227:

Funatsu N, Miyata S, Kumanogoh H, Shigeta M, Hamada K.

Related Articles, Links

Endo Y, Sokawa Y, Maekawa S.



Characterization of a novel rat brain glycosylphosphatidylinositol-anchored protein (Kilon), a member of the IgLON cell adhesion molecule family.

J Biol Chem. 1999 Mar 19;274(12):8224-30.

PMID: 10075727 [PubMed - indexed for MEDLINE]

☐ 228:

Herndon ME, Stipp CS, Lander AD.

Related Articles, Links



Interactions of neural glycosaminoglycans and proteoglycans with protein ligands: assessment of selectivity, heterogeneity and the participation of core proteins in binding.

Glycobiology. 1999 Feb;9(2):143-55.

PMID: 9949192 [PubMed - indexed for MEDLINE]

☐ 229:

Schwanzel-Fukuda M.

Related Articles, Links



Origin and migration of luteinizing hormone-releasing hormone neurons in mammals.

Microsc Res Tech. 1999 Jan 1;44(1):2-10. Review.

PMID: 9915559 [PubMed - indexed for MEDLINE]

☐ 230:

Egashira M, Kawamata N, Sugimoto K, Kaneko T, Oshimi K.

Related Articles, Links



P-glycoprotein expression on normal and abnormally expanded natural killer cells and inhibition of P-glycoprotein function by cyclosporin A and its analogue, PSC833.


















Blood. 1999 Jan 15;93(2):599-606.



















PMID: 9885221 [PubMed - indexed for MEDLINE]




















☐ 231:



















Yoshida K, Rutishauser U, Crandall JE, Schwarting GA.











Related Articles, Links


















-  Polysialic acid facilitates migration of luteinizing hormone-releasing hormone neurons on vomeronasal axons.
J Neurosci. 1999 Jan 15;19(2):794-801.
PMID: 9880599 [PubMed - indexed for MEDLINE]
-  **232:** Vawter MP, Hemperly JJ, Hyde TM, Bachus SE, VanderPutten DM, Howard AL, Cannon-Spoor HE, McCoy MT, Webster MJ, Kleinman JE, Freed WJ. [Related Articles](#), [Links](#)
-  VASE-containing N-CAM isoforms are increased in the hippocampus in bipolar disorder but not schizophrenia.
Exp Neurol. 1998 Nov;154(1):1-11.
PMID: 9875262 [PubMed - indexed for MEDLINE]
-  **233:** Robey R, Bakke S, Stein W, Meadows B, Litman T, Patil S, Smith T, Fojo T, Bates S. [Related Articles](#), [Links](#)
-  Efflux of rhodamine from CD56+ cells as a surrogate marker for reversal of P-glycoprotein-mediated drug efflux by PSC 833.
Blood. 1999 Jan 1;93(1):306-14.
PMID: 9864175 [PubMed - indexed for MEDLINE]
-  **234:** Schmidt JT, Schachner M. [Related Articles](#), [Links](#)
-  Role for cell adhesion and glycosyl (HNK-1 and oligomannoside) recognition in the sharpening of the regenerating retinotectal projection in goldfish.
J Neurobiol. 1998 Dec;37(4):659-71.
PMID: 9858266 [PubMed - indexed for MEDLINE]
-  **235:** Meiri KF, Saffell JL, Walsh FS, Doherty P. [Related Articles](#), [Links](#)
-  Neurite outgrowth stimulated by neural cell adhesion molecules requires growth-associated protein-43 (GAP-43) function and is associated with GAP-43 phosphorylation in growth cones.
J Neurosci. 1998 Dec 15;18(24):10429-37.
PMID: 9852580 [PubMed - indexed for MEDLINE]
-  **236:** Hetland G, Talgo GJ, Fagerhol MK. [Related Articles](#), [Links](#)
-  Chemotaxins C5a and fMLP induce release of calprotectin (leucocyte L1 protein) from polymorphonuclear cells in vitro.
Mol Pathol. 1998 Jun;51(3):143-8.
PMID: 9850337 [PubMed - indexed for MEDLINE]
-  **237:** Blaess S, Kammerer RA, Hall H. [Related Articles](#), [Links](#)
-  Structural analysis of the sixth immunoglobulin-like domain of mouse neural cell adhesion molecule L1 and its interactions with alpha(v)beta3, alpha(IIb)beta3, and alpha5beta1 integrins.
J Neurochem. 1998 Dec;71(6):2615-25.
PMID: 9832163 [PubMed - indexed for MEDLINE]
-  **238:** Burstyn-Cohen T, Frumkin A, Xu YT, Scherer SS, Klar A. [Related Articles](#), [Links](#)
-  Accumulation of F-spondin in injured peripheral nerve promotes the outgrowth of sensory axons.
J Neurosci. 1998 Nov 1;18(21):8875-85.
PMID: 9786993 [PubMed - indexed for MEDLINE]
-  **239:** Saginario C, Sterling H, Beckers C, Kobayashi R, Solimena M, Ullu E, Vignery A. [Related Articles](#), [Links](#)
-  MFR, a putative receptor mediating the fusion of macrophages.
Mol Cell Biol. 1998 Nov;18(11):6213-23.
PMID: 9774638 [PubMed - indexed for MEDLINE]



















-  **240:** [Jones GV, Botham CA, Clarke AG, Kendall MD.](#) [Related Articles, Links](#)
 Immunoreactivity of neural crest-derived cells in thymic tissue developing under the rat kidney capsule.
Brain Behav Immun. 1998 Sep;12(3):163-80.
PMID: 9769154 [PubMed - indexed for MEDLINE]
-  **241:** [Zanghi JA, Mendoza TP, Knop RH, Miller WM.](#) [Related Articles, Links](#)
 Ammonia inhibits neural cell adhesion molecule polysialylation in Chinese hamster ovary and small cell lung cancer cells.
J Cell Physiol. 1998 Nov;177(2):248-63.
PMID: 9766522 [PubMed - indexed for MEDLINE]
-  **242:** [Storms SD, Rutishauser U.](#) [Related Articles, Links](#)
 A role for polysialic acid in neural cell adhesion molecule heterophilic binding to proteoglycans.
J Biol Chem. 1998 Oct 16;273(42):27124-9.
PMID: 9765230 [PubMed - indexed for MEDLINE]
-  **243:** [Soussi-Yanicostas N, Faivre-Sarrailh C, Hardelin JP, Levilliers J, Rougon G, Petit C.](#) [Related Articles, Links](#)
 Anosmin-1 underlying the X chromosome-linked Kallmann syndrome is an adhesion molecule that can modulate neurite growth in a cell-type specific manner.
J Cell Sci. 1998 Oct;111 (Pt 19):2953-65.
PMID: 9730987 [PubMed - indexed for MEDLINE]
-  **244:** [Shimeld SM.](#) [Related Articles, Links](#)
 Characterization of AmphiF-spondin reveals the modular evolution of chordate F-spondin genes.
Mol Biol Evol. 1998 Sep;15(9):1218-23.
PMID: 9729886 [PubMed - indexed for MEDLINE]
-  **245:** [Zhao X, Yip PM, Siu CH.](#) [Related Articles, Links](#)
 Identification of a homophilic binding site in immunoglobulin-like domain 2 of the cell adhesion molecule L1.
J Neurochem. 1998 Sep;71(3):960-71.
PMID: 9721721 [PubMed - indexed for MEDLINE]
-  **246:** [Beck JF, Buchholz F, Ulrich WR, Boer R, Sanders KH, Niethammer D, Gekeler V.](#) [Related Articles, Links](#)
 Rhodamine 123 efflux modulation in the presence of low or high serum from CD56+ hematopoietic cells or CD34+ leukemic blasts by B9309-068, a newly designed pyridine derivative.
Cancer Lett. 1998 Jul 17;129(2):157-63.
PMID: 9719457 [PubMed - indexed for MEDLINE]
-  **247:** [Marmorstein AD, Gan YC, Bonilha VL, Finnemann SC, Csaky KG, Rodriguez-Boulan E.](#) [Related Articles, Links](#)
 Apical polarity of N-CAM and EMMPRIN in retinal pigment epithelium resulting from suppression of basolateral signal recognition.
J Cell Biol. 1998 Aug 10;142(3):697-710.
PMID: 9700159 [PubMed - indexed for MEDLINE]
-  **248:** [Haley KJ, Patidar K, Zhang F, Emanuel RL, Sunday ME.](#) [Related Articles, Links](#)
 Tumor necrosis factor induces neuroendocrine differentiation in small cell tumor cancer cell lines.
Am J Physiol. 1998 Aug;275(2 Pt 1):L311-21.
PMID: 9700092 [PubMed - indexed for MEDLINE]



















-  **249:** Ben-Hur T, Rogister B, Murray K, Rougon G, Dubois-Dalcq M. [Related Articles](#), [Links](#)
 **Growth and fate of PSA-NCAM+ precursors of the postnatal brain.**
J Neurosci. 1998 Aug 1;18(15):5777-88.
PMID: 9671666 [PubMed - indexed for MEDLINE]
-  **250:** Walsh GS, Petrucci K, Kawaja MD. [Related Articles](#), [Links](#)
 **p75-deficient sensory axons are immunoreactive for the glycoprotein L1 in mice overexpressing nerve growth factor.**
Brain Res. 1998 Jul 6;798(1-2):184-94.
PMID: 9666123 [PubMed - indexed for MEDLINE]
-  **251:** Carayol G, Robin C, Bourhis JH, Bennaceur-Griscelli A, Chouaib S, Coulombel L, Caignard A. [Related Articles](#), [Links](#)
 **NK cells differentiated from bone marrow, cord blood and peripheral blood stem cells exhibit similar phenotype and functions.**
Eur J Immunol. 1998 Jun;28(6):1991-2002.
PMID: 9645381 [PubMed - indexed for MEDLINE]
-  **252:** Dellovade TL, Pfaff DW, Schwanzel-Fukuda M. [Related Articles](#), [Links](#)
 **The gonadotropin-releasing hormone system does not develop in Small-Eye (Sey) mouse phenotype.**
Brain Res Dev Brain Res. 1998 May 15;107(2):233-40.
PMID: 9593910 [PubMed - indexed for MEDLINE]
-  **253:** Takada T, Matozaki T, Takeda H, Fukunaga K, Noguchi T, Fujioka Y, Okazaki I, Tsuda M, Yamao T, Ochi F, Kasuga M. [Related Articles](#), [Links](#)
 **Roles of the complex formation of SHPS-1 with SHP-2 in insulin-stimulated mitogen-activated protein kinase activation.**
J Biol Chem. 1998 Apr 10;273(15):9234-42.
PMID: 9535915 [PubMed - indexed for MEDLINE]
-  **254:** Thompson SW, Priestley JV, Southall A. [Related Articles](#), [Links](#)
 **gp130 cytokines, leukemia inhibitory factor and interleukin-6, induce neuropeptide expression in intact adult rat sensory neurons in vivo: time-course, specificity and comparison with sciatic nerve axotomy.**
Neuroscience. 1998 Jun;84(4):1247-55.
PMID: 9578410 [PubMed - indexed for MEDLINE]
-  **255:** Tsuzuki T, Izumoto S, Ohnishi T, Hiraga S, Arita N, Hayakawa T. [Related Articles](#), [Links](#)
 **Neural cell adhesion molecule L1 in gliomas: correlation with TGF-beta and p53.**
J Clin Pathol. 1998 Jan;51(1):13-7.
PMID: 9577364 [PubMed - indexed for MEDLINE]
-  **256:** Abel RM, Bishop AE, Moscoso G, Spitz L, Polak JM. [Related Articles](#), [Links](#)
 **The ontogeny of innervation of the human pylorus.**
J Pediatr Surg. 1998 Apr;33(4):613-8.
PMID: 9574762 [PubMed - indexed for MEDLINE]
-  **257:** Staubli U, Chun D, Lynch G. [Related Articles](#), [Links](#)
 **Time-dependent reversal of long-term potentiation by an integrin antagonist.**
J Neurosci. 1998 May 1;18(9):3460-9.
PMID: 9547253 [PubMed - indexed for MEDLINE]
-  **258:** Heiland PC, Griffith LS, Lange R, Schachner M, Hertlein B, Traub O, Schmitz B. [Related Articles](#), [Links](#)




















-  Tyrosine and serine phosphorylation of the neural cell adhesion molecule L1 is implicated in its oligomannosidic glycan dependent association with NCAM and neurite outgrowth.
Eur J Cell Biol. 1998 Feb;75(2):97-106.
PMID: 9548367 [PubMed - indexed for MEDLINE]
-  **259:** Marz P, Cheng JG, Gadicent RA, Patterson PH, Stoyan T, Otten U, Rose-John S. [Related Articles](#), [Links](#)
-  Sympathetic neurons can produce and respond to interleukin 6.
Proc Natl Acad Sci U S A. 1998 Mar 17;95(6):3251-6.
PMID: 9501249 [PubMed - indexed for MEDLINE]
-  **260:** Krushel LA, Tai MH, Cunningham BA, Edelman GM, Crossin KL. [Related Articles](#), [Links](#)
-  Neural cell adhesion molecule (N-CAM) domains and intracellular signaling pathways involved in the inhibition of astrocyte proliferation.
Proc Natl Acad Sci U S A. 1998 Mar 3;95(5):2592-6.
PMID: 9482931 [PubMed - indexed for MEDLINE]
-  **261:** Yip PM, Zhao X, Montgomery AM, Siu CH. [Related Articles](#), [Links](#)
-  The Arg-Gly-Asp motif in the cell adhesion molecule L1 promotes neurite outgrowth via interaction with the alphavbeta3 integrin.
Mol Biol Cell. 1998 Feb;9(2):277-90.
PMID: 9450954 [PubMed - indexed for MEDLINE]
-  **262:** Johnson BE, Kelley MJ. [Related Articles](#), [Links](#)
-  Autocrine growth factors and neuroendocrine markers in the development of small-cell lung cancer.
Oncology (Huntingt). 1998 Jan;12(1 Suppl 2):11-4.
PMID: 9516605 [PubMed - indexed for MEDLINE]
-  **263:** Coutelle O, Nyakatura G, Taudien S, Elgar G, Brenner S, Platzer M, Drescher B, Jouet M, Kenwright S, Rosenthal A. [Related Articles](#), [Links](#)
-  The neural cell adhesion molecule L1: genomic organisation and differential splicing is conserved between man and the pufferfish Fugu.
Gene. 1998 Feb 16;208(1):7-15.
PMID: 9479034 [PubMed - indexed for MEDLINE]
-  **264:** Egan CL, Viglione-Schneck MJ, Walsh LJ, Green B, Trojanowski JQ, Whitaker-Menezes D, Murphy GF. [Related Articles](#), [Links](#)
-  Characterization of unmyelinated axons uniting epidermal and dermal immune cells in primate and murine skin.
J Cutan Pathol. 1998 Jan;25(1):20-9.
PMID: 9508340 [PubMed - indexed for MEDLINE]
-  **265:** Goto K, Kodama T, Hojo F, Kubota K, Kakinuma R, Matsumoto T, Ohmatsu H, Sekine I, Nagai K, Nishiwaki Y. [Related Articles](#), [Links](#)
-  Clinicopathologic characteristics of patients with nonsmall cell lung carcinoma with elevated serum progastrin-releasing peptide levels.
Cancer. 1998 Mar 15;82(6):1056-61.
PMID: 9506349 [PubMed - indexed for MEDLINE]
-  **266:** Moscoso LM, Cremer H, Sanes JR. [Related Articles](#), [Links](#)
-  Organization and reorganization of neuromuscular junctions in mice lacking neural cell adhesion molecule, tenascin-C, or fibroblast growth factor-5.
J Neurosci. 1998 Feb 15;18(4):1465-77.
PMID: 9454855 [PubMed - indexed for MEDLINE]
-  **267:** Whitehead MC, Ganchrow JR, Ganchrow D, Yao B. [Related Articles](#), [Links](#)

-  Neural cell adhesion molecule, neuron-specific enolase and calcitonin gene-related peptide immunoreactivity in hamster taste buds after chorda tympani/lingual nerve denervation.
Neuroscience. 1998 Apr;83(3):843-56.
PMID: 9483568 [PubMed - indexed for MEDLINE]
-  **268:** [Felding-Habermann B, Silletti S, Mei F, Siu CH, Yip PM, Brooks PC, Cheresch DA, O'Toole TE, Ginsberg MH, Montgomery AM.](#) [Related Articles, Links](#)
A single immunoglobulin-like domain of the human neural cell adhesion molecule L1 supports adhesion by multiple vascular and platelet integrins.
J Cell Biol. 1997 Dec 15;139(6):1567-81.
PMID: 9396761 [PubMed - indexed for MEDLINE]
-  **269:** [Nishiyama I, Ogiso M, Seki T, Oota T.](#) [Related Articles, Links](#)
A protein kinase inhibitor H-7 induces process extrusion in fetal rat thyroid C-cells in vitro.
Zoolog Sci. 1997 Oct;14(5):809-15.
PMID: 9450393 [PubMed - indexed for MEDLINE]
-  **270:** [Bastian BC, Ott G, Muller-Deubert S, Brocker EB, Muller-Hermelink HK.](#) [Related Articles, Links](#)
Primary cutaneous natural killer/T-cell lymphoma.
Arch Dermatol. 1998 Jan;134(1):109-11. No abstract available.
PMID: 9449926 [PubMed - indexed for MEDLINE]
-  **271:** [Higashijima S, Nose A, Eguchi G, Hotta Y, Okamoto H.](#) [Related Articles, Links](#)
Mindin/F-spondin family: novel ECM proteins expressed in the zebrafish embryonic axis.
Dev Biol. 1997 Dec 15;192(2):211-27.
PMID: 9441663 [PubMed - indexed for MEDLINE]
-  **272:** [Mahler M, Ben-Ari Y, Represa A.](#) [Related Articles, Links](#)
Differential expression of fibronectin, tenascin-C and NCAMs in cultured hippocampal astrocytes activated by kainate, bacterial lipopolysaccharide or basic fibroblast growth factor.
Brain Res. 1997 Nov 14;775(1-2):63-73.
PMID: 9439829 [PubMed - indexed for MEDLINE]
-  **273:** [Ackley RL, Madison RD, Archibald SJ, Hemperly JJ.](#) [Related Articles, Links](#)
Monoclonal antibody interaction with the third immunoglobulin-like domain of N-CAM is sufficient to cause cell migration.
Mol Cell Neurosci. 1997;10(1-2):117-29.
PMID: 9361292 [PubMed - indexed for MEDLINE]
-  **274:** [Wizenmann A, Lumsden A.](#) [Related Articles, Links](#)
Segregation of rhombomeres by differential chemoaffinity.
Mol Cell Neurosci. 1997;9(5-6):448-59.
PMID: 9361281 [PubMed - indexed for MEDLINE]
-  **275:** [Ochi F, Matozaki T, Noguchi T, Fujioka Y, Yamao T, Takada T, Tsuda M, Takeda H, Fukunaga K, Okabayashi Y, Kasuga M.](#) [Related Articles, Links](#)
Epidermal growth factor stimulates the tyrosine phosphorylation of SHPS-1 and association of SHPS-1 with SHP-2, a SH2 domain-containing protein tyrosine phosphatase.
Biochem Biophys Res Commun. 1997 Oct 20;239(2):483-7.
PMID: 9344856 [PubMed - indexed for MEDLINE]
-  **276:** [Lahrtz F, Horstkorte R, Cremer H, Schachner M, Montag D.](#) [Related Articles, Links](#)

-  VASE-encoded peptide modifies NCAM- and L1-mediated neurite outgrowth.
J Neurosci Res. 1997 Oct 1;50(1):62-8.
PMID: 9379494 [PubMed - indexed for MEDLINE]
-  **277:** [Nakajima O, Hachisuka A, Takagi K, Yamazaki T, Ikebuchi H, Sawada J.](#) [Related Articles, Links](#)
-  Expression of opioid-binding cell adhesion molecule (OBCAM) and neurotrimin (NTM) in *E. coli* and their reactivity with monoclonal anti-OBCAM antibody.
Neuroreport. 1997 Sep 29;8(14):3005-8.
PMID: 9331906 [PubMed - indexed for MEDLINE]
-  **278:** [Kataoka M, Yoshiyama K, Matsuura K, Hijiya N, Higuchi Y, Yamamoto S.](#) [Related Articles, Links](#)
-  Structure of the murine CD156 gene, characterization of its promoter, and chromosomal location.
J Biol Chem. 1997 Jul 18;272(29):18209-15.
PMID: 9218457 [PubMed - indexed for MEDLINE]
-  **279:** [Kramer I, Hall H, Bleistein U, Schachner M.](#) [Related Articles, Links](#)
-  Developmentally regulated masking of an intracellular epitope of the 180 kDa isoform of the neural cell adhesion molecule NCAM.
J Neurosci Res. 1997 Jul 15;49(2):161-75.
PMID: 9272639 [PubMed - indexed for MEDLINE]
-  **280:** [Sano S, Ohnishi H, Omori A, Hasegawa J, Kubota M.](#) [Related Articles, Links](#)
-  BIT, an immune antigen receptor-like molecule in the brain.
FEBS Lett. 1997 Jul 14;411(2-3):327-34.
PMID: 9271230 [PubMed - indexed for MEDLINE]
-  **281:** [Shen H, Watanabe M, Tomasiewicz H, Rutishauser U, Magnuson T, Glass JD.](#) [Related Articles, Links](#)
-  Role of neural cell adhesion molecule and polysialic acid in mouse circadian clock function.
J Neurosci. 1997 Jul 1;17(13):5221-9.
PMID: 9185559 [PubMed - indexed for MEDLINE]
-  **282:** [Umemiya T, Takeichi M, Nose A.](#) [Related Articles, Links](#)
-  M-spondin, a novel ECM protein highly homologous to vertebrate F-spondin, is localized at the muscle attachment sites in the *Drosophila* embryo.
Dev Biol. 1997 Jun 15;186(2):165-76.
PMID: 9205137 [PubMed - indexed for MEDLINE]
-  **283:** [Pesheva P, Gloor S, Schachner M, Probstmeier R.](#) [Related Articles, Links](#)
-  Tenascin-R is an intrinsic autocrine factor for oligodendrocyte differentiation and promotes cell adhesion by a sulfatide-mediated mechanism.
J Neurosci. 1997 Jun 15;17(12):4642-51. Erratum in: J Neurosci 1997 Aug 1;17(15):6021.
PMID: 9169525 [PubMed - indexed for MEDLINE]
-  **284:** [Chen J, Carey K, Godowski PJ.](#) [Related Articles, Links](#)
-  Identification of Gas6 as a ligand for Mer, a neural cell adhesion molecule related receptor tyrosine kinase implicated in cellular transformation.
Oncogene. 1997 May 1;14(17):2033-9.
PMID: 9160883 [PubMed - indexed for MEDLINE]

-  **285:** Heuss DF. [Related Articles](#), [Links](#)
 Light-microscopic study of insulin like growth factor II (IGF-II) and insulin like growth factor I receptor (IGF-I-R) in myopathy.
Neurol Res. 1997 Apr;19(2):153-9.
PMID: 9175144 [PubMed - indexed for MEDLINE]
-  **286:** Nissen JB, Lund M, Stengaard-Pedersen K, Kragballe K. [Related Articles](#), [Links](#)
 Enkephalin-like immunoreactivity in human skin is found selectively in a fraction of CD68-positive dermal cells: increase in enkephalin-positive cells in lesional psoriasis.
Arch Dermatol Res. 1997 Apr;289(5):265-71.
PMID: 9164636 [PubMed - indexed for MEDLINE]
-  **287:** Schallhammer L, Walcher W, Wintersteiger R, Dohr G, Sedlmayr P. [Related Articles](#), [Links](#)
 Phenotypic comparison of natural killer cells from peripheral blood and from early pregnancy decidua.
Early Pregnancy. 1997 Mar;3(1):15-22. Erratum in: Early Pregnancy 1997 Dec;3(4):334.
PMID: 9265554 [PubMed - indexed for MEDLINE]
-  **288:** Hancox KA, Gooley AA, Jeffrey PL. [Related Articles](#), [Links](#)
 AvGp50, a predominantly axonally expressed glycoprotein, is a member of the IgLON's subfamily of cell adhesion molecules (CAMs).
Brain Res Mol Brain Res. 1997 Mar;44(2):273-85.
PMID: 9073169 [PubMed - indexed for MEDLINE]
-  **289:** Le Gall AH, Powell SK, Yeaman CA, Rodriguez-Boulan E. [Related Articles](#), [Links](#)
 The neural cell adhesion molecule expresses a tyrosine-independent basolateral sorting signal.
J Biol Chem. 1997 Feb 14;272(7):4559-67.
PMID: 9020183 [PubMed - indexed for MEDLINE]
-  **290:** Taira M, Saint-Jeannet JP, Dawid IB. [Related Articles](#), [Links](#)
 Role of the Xlim-1 and Xbra genes in anteroposterior patterning of neural tissue by the head and trunk organizer.
Proc Natl Acad Sci U S A. 1997 Feb 4;94(3):895-900.
PMID: 9023353 [PubMed - indexed for MEDLINE]
-  **291:** Saffell JL, Williams EJ, Mason LJ, Walsh FS, Doherty P. [Related Articles](#), [Links](#)
 Expression of a dominant negative FGF receptor inhibits axonal growth and FGF receptor phosphorylation stimulated by CAMs.
Neuron. 1997 Feb;18(2):231-42. Erratum in: Neuron 1998 Mar;20(3):619.
PMID: 9052794 [PubMed - indexed for MEDLINE]
-  **292:** Vawter MP, Dillon-Carter O, Issa F, Wyatt RJ, Freed WJ. [Related Articles](#), [Links](#)
 Transforming growth factors beta 1 and beta 2 in the cerebrospinal fluid of chronic schizophrenic patients.
Neuropsychopharmacology. 1997 Jan;16(1):83-7.
PMID: 8981392 [PubMed - indexed for MEDLINE]
-  **293:** Wilson DJ, Kim DS, Clarke GA, Marshall-Clarke S, Moss DJ. [Related Articles](#), [Links](#)
 A family of glycoproteins (GP55), which inhibit neurite outgrowth, are members of the Ig superfamily and are related to OBCAM, neurotrimin, LAMP and CEPU-1.
J Cell Sci. 1996 Dec;109 (Pt 13):3129-38.
PMID: 9004047 [PubMed - indexed for MEDLINE]

-  **294:** [Drescher B, Spiess E, Schachner M, Probstmeier R.](#) [Related Articles, Links](#)
 **Structural analysis of the murine cell adhesion molecule L1 by electron microscopy and computer-assisted modelling.**
Eur J Neurosci. 1996 Dec;8(12):2467-78.
PMID: 8996796 [PubMed - indexed for MEDLINE]
-  **295:** [Nagata K, Ohashi K, Nakano T, Arita H, Zong C, Hanafusa H, Mizuno K.](#) [Related Articles, Links](#)
 **Identification of the product of growth arrest-specific gene 6 as a common ligand for Axl, Sky, and Mer receptor tyrosine kinases.**
J Biol Chem. 1996 Nov 22;271(47):30022-7.
PMID: 8939948 [PubMed - indexed for MEDLINE]
-  **296:** [Pixley SK.](#) [Related Articles, Links](#)
 **Characterization of olfactory receptor neurons and other cell types in dissociated rat olfactory cell cultures.**
Int J Dev Neurosci. 1996 Nov;14(7-8):823-39.
PMID: 9010728 [PubMed - indexed for MEDLINE]
-  **297:** [Vawter MP, Basaric-Keys J, Li Y, Lester DS, Lebovics RS, Lesch KP, Kulaga H, Freed WJ, Sunderland T, Wlozozin B.](#) [Related Articles, Links](#)
 **Human olfactory neuroepithelial cells: tyrosine phosphorylation and process extension are increased by the combination of IL-1beta, IL-6, NGF, and bFGF.**
Exp Neurol. 1996 Nov;142(1):179-94.
PMID: 8912909 [PubMed - indexed for MEDLINE]
-  **298:** [Retzler C, Gohring W, Rauch U.](#) [Related Articles, Links](#)
 **Analysis of neurocan structures interacting with the neural cell adhesion molecule N-CAM.**
J Biol Chem. 1996 Nov 1;271(44):27304-10.
PMID: 8910306 [PubMed - indexed for MEDLINE]
-  **299:** [Brune M, Hansson M, Mellqvist UH, Hermodsson S, Hellstrand K.](#) [Related Articles, Links](#)
 **NK cell-mediated killing of AML blasts: role of histamine, monocytes and reactive oxygen metabolites.**
Eur J Haematol. 1996 Oct;57(4):312-9.
PMID: 8982295 [PubMed - indexed for MEDLINE]
-  **300:** [Ting-Berretth SA, Chuong CM.](#) [Related Articles, Links](#)
 **Sonic Hedgehog in feather morphogenesis: induction of mesenchymal condensation and association with cell death.**
Dev Dyn. 1996 Oct;207(2):157-70.
PMID: 8906419 [PubMed - indexed for MEDLINE]
-  **301:** [Ebeling O, Duczmal A, Aigner S, Geiger C, Schollhammer S, Kemshead JT, Moller P, Schwartz-Albiez R, Altevogt P.](#) [Related Articles, Links](#)
 **L1 adhesion molecule on human lymphocytes and monocytes: expression and involvement in binding to alpha v beta 3 integrin.**
Eur J Immunol. 1996 Oct;26(10):2508-16.
PMID: 8898967 [PubMed - indexed for MEDLINE]
-  **302:** [Nishiyama I, Ogiso M, Oota T, Kimura T, Seki T.](#) [Related Articles, Links](#)
 **Developmental change in expression of highly polysialylated neural cell adhesion molecule in C-cells in rat thyroid gland.**
Anat Embryol (Berl). 1996 Oct;194(4):419-26.
PMID: 8896706 [PubMed - indexed for MEDLINE]

-  **303:** [Chuong CM, Widelitz RB, Ting-Berrett S, Jiang TX.](#) [Related Articles, Links](#)
 Early events during avian skin appendage regeneration: dependence on epithelial-mesenchymal interaction and order of molecular reappearance. *J Invest Dermatol.* 1996 Oct;107(4):639-46. PMID: 8823374 [PubMed - indexed for MEDLINE]
-  **304:** [Ungar AR, Moon RT.](#) [Related Articles, Links](#)
 Inhibition of protein kinase A phenocopies ectopic expression of hedgehog in the CNS of wild-type and cyclops mutant embryos. *Dev Biol.* 1996 Aug 25;178(1):186-91. PMID: 8812120 [PubMed - indexed for MEDLINE]
-  **305:** [Kojima N, Tachida Y, Yoshida Y, Tsuji S.](#) [Related Articles, Links](#)
 Characterization of mouse ST8Sia II (STX) as a neural cell adhesion molecule-specific polysialic acid synthase. Requirement of core alpha1,6-linked fucose and a polypeptide chain for polysialylation. *J Biol Chem.* 1996 Aug 9;271(32):19457-63. PMID: 8702635 [PubMed - indexed for MEDLINE]
-  **306:** [Ling L, Templeton D, Kung HI.](#) [Related Articles, Links](#)
 Identification of the major autophosphorylation sites of Nyk/Mer, an NCAM-related receptor tyrosine kinase. *J Biol Chem.* 1996 Aug 2;271(31):18355-62. PMID: 8702477 [PubMed - indexed for MEDLINE]
-  **307:** [Holm J, Hillenbrand R, Steuber V, Bartsch U, Moos M, Lubbert H, Montag D, Schachner M.](#) [Related Articles, Links](#)
 Structural features of a close homologue of L1 (CHL1) in the mouse: a new member of the L1 family of neural recognition molecules. *Eur J Neurosci.* 1996 Aug;8(8):1613-29. PMID: 8921253 [PubMed - indexed for MEDLINE]
-  **308:** [Gavazzi I, Canavan RE, Cowen T.](#) [Related Articles, Links](#)
 Influence of age and anti-nerve growth factor treatment on the sympathetic and sensory innervation of the rat iris. *Neuroscience.* 1996 Aug;73(4):1069-79. PMID: 8809825 [PubMed - indexed for MEDLINE]
-  **309:** [Green PJ, Walsh FS, Doherty P.](#) [Related Articles, Links](#)
 Promiscuity of fibroblast growth factor receptors. *Bioessays.* 1996 Aug;18(8):639-46. Review. PMID: 8760337 [PubMed - indexed for MEDLINE]
-  **310:** [Knittel T, Aurisch S, Neubauer K, Eichhorst S, Ramadori G.](#) [Related Articles, Links](#)
 Cell-type-specific expression of neural cell adhesion molecule (N-CAM) in Ito cells of rat liver. Up-regulation during in vitro activation and in hepatic tissue repair. *Am J Pathol.* 1996 Aug;149(2):449-62. PMID: 8701984 [PubMed - indexed for MEDLINE]
-  **311:** [Wong EV, Schaefer AW, Landreth G, Lemmon V.](#) [Related Articles, Links](#)
 Involvement of p90rsk in neurite outgrowth mediated by the cell adhesion molecule L1. *J Biol Chem.* 1996 Jul 26;271(30):18217-23. PMID: 8663493 [PubMed - indexed for MEDLINE]
-  **312:** [Liesi P, Wright JM.](#) [Related Articles, Links](#)



Weaver granule neurons are rescued by calcium channel antagonists and antibodies against a neurite outgrowth domain of the B2 chain of laminin.
J Cell Biol. 1996 Jul;134(2):477-86.
PMID: 8707831 [PubMed - indexed for MEDLINE]

☐ **313:** [Fukuda M.](#)

[Related Articles](#), [Links](#)



Possible roles of tumor-associated carbohydrate antigens.
Cancer Res. 1996 May 15;56(10):2237-44. Review.
PMID: 8625291 [PubMed - indexed for MEDLINE]

☐ **314:** [Ito T.](#)

[Related Articles](#), [Links](#)



[Significance of macrophage and cytokines in expression of stone matrix]
Nippon Hinyokika Gakkai Zasshi. 1996 May;87(5):865-74. Japanese.
PMID: 8691712 [PubMed - indexed for MEDLINE]

☐ **315:** [Xiao ZC.](#) [Taylor J.](#) [Montag D.](#) [Rougon G.](#) [Schachner M.](#)

[Related Articles](#), [Links](#)



Distinct effects of recombinant tenascin-R domains in neuronal cell functions and identification of the domain interacting with the neuronal recognition molecule F3/11.
Eur J Neurosci. 1996 Apr;8(4):766-82.
PMID: 9081628 [PubMed - indexed for MEDLINE]

☐ **316:** [MacDonald KP.](#) [Murrell WG.](#) [Bartlett PF.](#) [Bushell GR.](#) [Mackay-Sim A.](#)

[Related Articles](#), [Links](#)



FGF2 promotes neuronal differentiation in explant cultures of adult and embryonic mouse olfactory epithelium.
J Neurosci Res. 1996 Apr 1;44(1):27-39.
PMID: 8926627 [PubMed - indexed for MEDLINE]

☐ **317:** [Arce V.](#) [Gristina R.](#) [Buttiglione M.](#) [Cremer H.](#) [Gennarini G.](#) [Rougon G.](#)

[Related Articles](#), [Links](#)



Use of chimeric F3-NCAM molecules to explore the properties of VASE exon in modulating polysialylation and neurite outgrowth.
Cell Adhes Commun. 1996 Apr;3(6):541-54.
PMID: 8807196 [PubMed - indexed for MEDLINE]

☐ **318:** [Martersteck CM.](#) [Kedersha NL.](#) [Drapp DA.](#) [Tsui TG.](#) [Colley KJ.](#)

[Related Articles](#), [Links](#)



Unique alpha 2, 8-polysialylated glycoproteins in breast cancer and leukemia cells.
Glycobiology. 1996 Apr;6(3):289-301.
PMID: 8724137 [PubMed - indexed for MEDLINE]

☐ **319:** [Inoue T.](#) [Kanzaki H.](#) [Imai K.](#) [Narukawa S.](#) [Katsuragawa H.](#) [Watanabe H.](#) [Hirano T.](#) [Mori T.](#)

[Related Articles](#), [Links](#)



Progesterone stimulates the induction of human endometrial CD56+ lymphocytes in an in vitro culture system.
J Clin Endocrinol Metab. 1996 Apr;81(4):1502-7.
PMID: 8636358 [PubMed - indexed for MEDLINE]

☐ **320:** [Schwanzel-Fukuda M.](#) [Crossin KL.](#) [Pfaff DW.](#) [Bouloux PM.](#) [Hardelin JP.](#) [Petit C.](#)

[Related Articles](#), [Links](#)



Migration of luteinizing hormone-releasing hormone (LHRH) neurons in early human embryos.
J Comp Neurol. 1996 Mar 11;366(3):547-57.
PMID: 8907364 [PubMed - indexed for MEDLINE]


☐ **321:** [Montgomery AM.](#) [Becker JC.](#) [Siu CH.](#) [Lemmon VP.](#) [Cheresh DA.](#) [Pancook JD.](#) [Zhao X.](#) [Reisfeld RA.](#)


[Related Articles](#), [Links](#)




Human neural cell adhesion molecule L1 and rat homologue NILE are

ligands for integrin alpha v beta 3.
J Cell Biol. 1996 Feb;132(3):475-85.
PMID: 8636223 [PubMed - indexed for MEDLINE]


-  **322:** Wong EV, Schaefer AW, Landreth G, Lemmon V. [Related Articles](#), [Links](#)

 **Casein kinase II phosphorylates the neural cell adhesion molecule L1.**
J Neurochem. 1996 Feb;66(2):779-86.
PMID: 8592152 [PubMed - indexed for MEDLINE]


-  **323:** Nakayama J, Fukuda M. [Related Articles](#), [Links](#)


 **A human polysialyltransferase directs in vitro synthesis of polysialic acid.**
J Biol Chem. 1996 Jan 26;271(4):1829-32.
PMID: 8567623 [PubMed - indexed for MEDLINE]


-  **324:** Marchetti B. [Related Articles](#), [Links](#)

 **The LHRH-astroglial network of signals as a model to study neuroimmune interactions: assessment of messenger systems and transduction mechanisms at cellular and molecular levels.**
Neuroimmunomodulation. 1996 Jan-Feb;3(1):1-27. Review.
PMID: 8892357 [PubMed - indexed for MEDLINE]


-  **325:** Enders AC, Lantz KC, Schlafke S. [Related Articles](#), [Links](#)


 **Preference of invasive cytotrophoblast for maternal vessels in early implantation in the macaque.**
Acta Anat (Basel). 1996;155(3):145-62.
PMID: 8870783 [PubMed - indexed for MEDLINE]


-  **326:** Schmidt C, Kunemund V, Wintergerst ES, Schmitz B, Schachner M. [Related Articles](#), [Links](#)

 **CD9 of mouse brain is implicated in neurite outgrowth and cell migration in vitro and is associated with the alpha 6/beta 1 integrin and the neural adhesion molecule L1.**
J Neurosci Res. 1996 Jan 1;43(1):12-31.
PMID: 8838570 [PubMed - indexed for MEDLINE]


-  **327:** Norgren RB Jr, Gao C, Ji Y, Fritsch B. [Related Articles](#), [Links](#)


 **Tangential migration of luteinizing hormone-releasing hormone (LHRH) neurons in the medial telencephalon in association with transient axons extending from the olfactory nerve.**
Neurosci Lett. 1995 Dec 29;202(1-2):9-12.
PMID: 8787818 [PubMed - indexed for MEDLINE]



















-  **328:** Stewart HJ, Rougon G, Dong Z, Dean C, Jessen KR, Mirsky R. [Related Articles](#), [Links](#)

 **TGF-betas upregulate NCAM and L1 expression in cultured Schwann cells, suppress cyclic AMP-induced expression of O4 and galactocerebroside, and are widely expressed in cells of the Schwann cell lineage in vivo.**
Glia. 1995 Dec;15(4):419-36.
PMID: 8926036 [PubMed - indexed for MEDLINE]

-  **329:** Hall BK, Miyake T. [Related Articles](#), [Links](#)

 **Divide, accumulate, differentiate: cell condensation in skeletal development revisited.**
Int J Dev Biol. 1995 Dec;39(6):881-93. Review.
PMID: 8901191 [PubMed - indexed for MEDLINE]

-  **330:** Yoshida K, Tobet SA, Crandall JE, Jimenez TP, Schwarting GA. [Related Articles](#), [Links](#)

-  The migration of luteinizing hormone-releasing hormone neurons in the developing rat is associated with a transient, caudal projection of the vomeronasal nerve.
J Neurosci. 1995 Dec;15(12):7769-77.
PMID: 8613718 [PubMed - indexed for MEDLINE]
-  **331:** [Ruppert M, Aigner S, Hubbe M, Yagita H, Altevogt P.](#) [Related Articles, Links](#)
-  The L1 adhesion molecule is a cellular ligand for VLA-5.
J Cell Biol. 1995 Dec;131(6 Pt 2):1881-91.
PMID: 8557754 [PubMed - indexed for MEDLINE]
-  **332:** [Lane CM, Jones CR, Reisine T, Yu L, Lee NM.](#) [Related Articles, Links](#)
-  Alteration of OBCAM conformation as a result of opioid receptor expression and opioid ligand treatment.
Brain Res. 1995 Nov 6;698(1-2):15-22.
PMID: 8581474 [PubMed - indexed for MEDLINE]
-  **333:** [Klein-Franke A, Anderer FA.](#) [Related Articles, Links](#)
-  IL-12-mediated activation of MHC-unrestricted cytotoxicity of human PBMC subpopulations: synergic action of a plant rhamnogalacturonan.
Anticancer Res. 1995 Nov-Dec;15(6B):2511-6.
PMID: 8669815 [PubMed - indexed for MEDLINE]
-  **334:** [Ito T, Nozawa A, Usuda Y, Kitamura H, Kanisawa M.](#) [Related Articles, Links](#)
-  Hamster pulmonary endocrine cells with neural cell adhesion molecule (NCAM) immunostaining.
Histochem Cell Biol. 1995 Nov;104(5):357-62.
PMID: 8574885 [PubMed - indexed for MEDLINE]
-  **335:** [Appel F, Holm J, Conscience JF, von Bohlen und Halbach F, Faissner A, James P, Schachner M.](#) [Related Articles, Links](#)
-  Identification of the border between fibronectin type III homologous repeats 2 and 3 of the neural cell adhesion molecule L1 as a neurite outgrowth promoting and signal transducing domain.
J Neurobiol. 1995 Nov;28(3):297-312.
PMID: 8568512 [PubMed - indexed for MEDLINE]
-  **336:** [Hoefer M, Anderer FA.](#) [Related Articles, Links](#)
-  Anti-(transforming growth factor beta) antibodies with predefined specificity inhibit metastasis of highly tumorigenic human xenotransplants in nu/nu mice.
Cancer Immunol Immunother. 1995 Nov;41(5):302-8.
PMID: 8536276 [PubMed - indexed for MEDLINE]
-  **337:** [Mehta BA, Schmidt-Wolf IG, Weissman IL, Negrin RS.](#) [Related Articles, Links](#)
-  Two pathways of exocytosis of cytoplasmic granule contents and target cell killing by cytokine-induced CD3+ CD56+ killer cells.
Blood. 1995 Nov 1;86(9):3493-9.
PMID: 7579455 [PubMed - indexed for MEDLINE]
-  **338:** [Dodge GR, Boesler EW, Jimenez SA.](#) [Related Articles, Links](#)
-  Expression of the basement membrane heparan sulfate proteoglycan (perlecan) in human synovium and in cultured human synovial cells.
Lab Invest. 1995 Nov;73(5):649-57.
PMID: 7474938 [PubMed - indexed for MEDLINE]
-  **339:** [Milev P, Meyer-Puttlitz B, Margolis RK, Margolis RU.](#) [Related Articles, Links](#)



Complex-type asparagine-linked oligosaccharides on phosphacan and protein-tyrosine phosphatase-zeta/beta mediate their binding to neural cell adhesion molecules and tenascin.

J Biol Chem. 1995 Oct 20;270(42):24650-3.

PMID: 7559574 [PubMed - indexed for MEDLINE]



340: [Falk CS, Steinle A, Schendel DJ.](#)

[Related Articles, Links](#)



Expression of HLA-C molecules confers target cell resistance to some non-major histocompatibility complex-restricted T cells in a manner analogous to allospecific natural killer cells.

J Exp Med. 1995 Oct 1;182(4):1005-18.

PMID: 7561674 [PubMed - indexed for MEDLINE]



341: [Sato M, Takeuchi M.](#)

[Related Articles, Links](#)



Induction of NCAM expression in mouse olfactory keratin-positive basal cells in vitro.

Brain Res Dev Brain Res. 1995 Jul 14;87(2):111-9.

PMID: 7586492 [PubMed - indexed for MEDLINE]



342: [Lustig KD, Kirschner MW.](#)

[Related Articles, Links](#)



Use of an oocyte expression assay to reconstitute inductive signaling.

Proc Natl Acad Sci U S A. 1995 Jul 3;92(14):6234-8.

PMID: 7541533 [PubMed - indexed for MEDLINE]



343: [Szele FG, Alexander C, Chesselet MF.](#)

[Related Articles, Links](#)



Expression of molecules associated with neuronal plasticity in the striatum after aspiration and thermocoagulatory lesions of the cerebral cortex in adult rats.

J Neurosci. 1995 Jun;15(6):4429-48.

PMID: 7790918 [PubMed - indexed for MEDLINE]



344: [Krushel LA, Sporns O, Cunningham BA, Crossin KL, Edelman GM.](#)

[Related Articles, Links](#)



Neural cell adhesion molecule (N-CAM) inhibits astrocyte proliferation after injury to different regions of the adult rat brain.

Proc Natl Acad Sci U S A. 1995 May 9;92(10):4323-7.

PMID: 7753806 [PubMed - indexed for MEDLINE]



345: [Burg MA, Halfter W, Cole GJ.](#)

[Related Articles, Links](#)



Analysis of proteoglycan expression in developing chicken brain: characterization of a heparan sulfate proteoglycan that interacts with the neural cell adhesion molecule.

J Neurosci Res. 1995 May 1;41(1):49-64.

PMID: 7674377 [PubMed - indexed for MEDLINE]



346: [Frick IM, Crossin KL, Edelman GM, Bjorck L.](#)

[Related Articles, Links](#)



Protein H--a bacterial surface protein with affinity for both immunoglobulin and fibronectin type III domains.

EMBO J. 1995 Apr 18;14(8):1674-9.

PMID: 7737120 [PubMed - indexed for MEDLINE]



347: [Cordero OJ, Sarandeses C, Lopez-Rodriguez JL, Nogueira M.](#)

[Related Articles, Links](#)



The presence and cytotoxicity of CD16+ CD2- subset from PBL and NK cells in long-term IL-2 cultures enhanced by Prothymosin-alpha.

Immunopharmacology. 1995 Apr;29(3):215-23.

PMID: 7542644 [PubMed - indexed for MEDLINE]



348: [Garcia-Segura LM, Canas B, Parducz A, Rougon G, Theodosis](#)

[Related Articles, Links](#)

D. Naftolin F. Torres-Aleman I.



Estradiol promotion of changes in the morphology of astroglia growing in culture depends on the expression of polysialic acid of neural membranes. *Glia*. 1995 Mar;13(3):209-16.
PMID: 7782106 [PubMed - indexed for MEDLINE]

☐ **349:** Sporns O, Edelman GM, Crossin KL.

[Related Articles](#), [Links](#)



The neural cell adhesion molecule (N-CAM) inhibits proliferation in primary cultures of rat astrocytes. *Proc Natl Acad Sci U S A*. 1995 Jan 17;92(2):542-6.
PMID: 7831326 [PubMed - indexed for MEDLINE]

☐ **350:** Guenard V, Gwynn LA, Wood PM.

[Related Articles](#), [Links](#)



Transforming growth factor-beta blocks myelination but not ensheathment of axons by Schwann cells in vitro. *J Neurosci*. 1995 Jan;15(1 Pt 1):419-28.
PMID: 7823146 [PubMed - indexed for MEDLINE]

☐ **351:** Byeon MK, Sugi Y, Markwald RR, Hoffman S.

[Related Articles](#), [Links](#)



NCAM polypeptides in heart development: association with Z discs of forms that contain the muscle-specific domain. *J Cell Biol*. 1995 Jan;128(1-2):209-21.
PMID: 7822416 [PubMed - indexed for MEDLINE]

☐ **352:** Daikoku S, Koide I.

[Related Articles](#), [Links](#)



In vitro development of placode-derived LHRH neurons: possible involvement of alpha-fetoprotein. *Horm Behav*. 1994 Dec;28(4):328-35.
PMID: 7537243 [PubMed - indexed for MEDLINE]

☐ **353:** Clark DA, Vince G, Flanders KC, Hirte H, Starkey P.

[Related Articles](#), [Links](#)



CD56+ lymphoid cells in human first trimester pregnancy decidua as a source of novel transforming growth factor-beta 2-related immunosuppressive factors. *Hum Reprod*. 1994 Dec;9(12):2270-7. Erratum in: *Hum Reprod* 1995 Apr;10(4):976.
PMID: 7536211 [PubMed - indexed for MEDLINE]

☐ **354:** Dommers S, Heinlein UA.

[Related Articles](#), [Links](#)



Recombinant polypeptides transplanted from pUMA vector-derived cRNAs are translocated through microsomal membranes and exported out of frog oocytes. *Biochem Biophys Res Commun*. 1994 Nov 15;204(3):1346-51.
PMID: 7980614 [PubMed - indexed for MEDLINE]

☐ **355:** Kiss JZ, Wang C, Olive S, Rougon G, Lang J, Bactens D, Harry D, Pralong WF.

[Related Articles](#), [Links](#)



Activity-dependent mobilization of the adhesion molecule polysialic NCAM to the cell surface of neurons and endocrine cells. *EMBO J*. 1994 Nov 15;13(22):5284-92.
PMID: 7957094 [PubMed - indexed for MEDLINE]

☐ **356:** Rao Y, Zhao X, Siu CH.










[Related Articles](#), [Links](#)





























Mechanism of homophilic binding mediated by the neural cell adhesion molecule NCAM. Evidence for isologous interaction. *J Biol Chem*. 1994 Nov 4;269(44):27540-8.
PMID: 7961669 [PubMed - indexed for MEDLINE]

☐ **357:** Stout JG, Brittsan A, Kirley TL.

[Related Articles](#), [Links](#)

-  **Brain ECTO-Mg-ATPase is not the neural cell adhesion molecule.**
 Biochem Mol Biol Int. 1994 Aug;33(6):1091-8.
 PMID: 7804134 [PubMed - indexed for MEDLINE]
-  **358:** [Arai K, Naoi M, Uehara K.](#) Related Articles, Links
Immunohistochemical examination of neural cell adhesion molecule (NCAM), tenascin and fibronectin on the development of cartilaginous tissue in canine mammary mixed tumors.
 J Vet Med Sci. 1994 Aug;56(4):809-11.
 PMID: 7528060 [PubMed - indexed for MEDLINE]
-  **359:** [Sonneveld P, Schoester M, de Leeuw K.](#) Related Articles, Links
Clinical modulation of multidrug resistance in multiple myeloma: effect of cyclosporine on resistant tumor cells.
 J Clin Oncol. 1994 Aug;12(8):1584-91.
 PMID: 7518859 [PubMed - indexed for MEDLINE]
-  **360:** [Zhou Y, Opas M.](#) Related Articles, Links
Cell shape, intracellular pH, and fibroblast growth factor responsiveness during transdifferentiation of retinal pigment epithelium into neuroepithelium in vitro.
 Biochem Cell Biol. 1994 Jul-Aug;72(7-8):257-65.
 PMID: 7893464 [PubMed - indexed for MEDLINE]
-  **361:** [Cirulli V, Baetens D, Rutishauser U, Halban PA, Orci L, Rouiller DG.](#) Related Articles, Links
Expression of neural cell adhesion molecule (N-CAM) in rat islets and its role in islet cell type segregation.
 J Cell Sci. 1994 Jun;107 (Pt 6):1429-36.
 PMID: 7962186 [PubMed - indexed for MEDLINE]
-  **362:** [Sandig M, Rao Y, Siu CH.](#) Related Articles, Links
The homophilic binding site of the neural cell adhesion molecule NCAM is directly involved in promoting neurite outgrowth from cultured neural retinal cells.
 J Biol Chem. 1994 May 20;269(20):14841-8.
 PMID: 8182092 [PubMed - indexed for MEDLINE]
-  **363:** [Castets F, Baillat G, Mirzoeva S, Mabrouk K, Garin J, d'Alayer J, Monneron A.](#) Related Articles, Links
A brain synaptosomal adenylyl cyclase of high specific activity is photolabeled with azido-ATP.
 Biochemistry. 1994 May 3;33(17):5063-9.
 PMID: 8172882 [PubMed - indexed for MEDLINE]
-  **364:** [Schwanzel-Fukuda M, Reinhard GR, Abraham S, Crossin KL, Edelman GM, Pfaff DW.](#) Related Articles, Links
Antibody to neural cell adhesion molecule can disrupt the migration of luteinizing hormone-releasing hormone neurons into the mouse brain.
 J Comp Neurol. 1994 Apr 8;342(2):174-85.
 PMID: 8201030 [PubMed - indexed for MEDLINE]
-  **365:** [Saffell JL, Walsh FS, Doherty P.](#) Related Articles, Links
Expression of NCAM containing VASE in neurons can account for a developmental loss in their neurite outgrowth response to NCAM in a cellular substratum.
 J Cell Biol. 1994 Apr;125(2):427-36.
 PMID: 8163558 [PubMed - indexed for MEDLINE]

-  **366:** [Komminoth P, Roth J, Saremaslani P, Matias-Guiu X, Wolfe HJ, Heitz PU](#). Related Articles, Links
Polysialic acid of the neural cell adhesion molecule in the human thyroid: a marker for medullary thyroid carcinoma and primary C-cell hyperplasia. An immunohistochemical study on 79 thyroid lesions.
Am J Surg Pathol. 1994 Apr;18(4):399-411.
PMID: 8141431 [PubMed - indexed for MEDLINE]
-  **367:** [Huber AH, Wang YM, Bieber AJ, Bjorkman PJ](#). Related Articles, Links
Crystal structure of tandem type III fibronectin domains from *Drosophila* neuroglian at 2.0 Å.
Neuron. 1994 Apr;12(4):717-31.
PMID: 7512815 [PubMed - indexed for MEDLINE]
-  **368:** [Barnaba V, Franco A, Paroli M, Benvenuto R, De Petrillo G, Burgio VL, Santilio I, Balsano C, Bonavita MS, Cappelli G, et al.](#) Related Articles, Links
Selective expansion of cytotoxic T lymphocytes with a CD4+CD56+ surface phenotype and a T helper type 1 profile of cytokine secretion in the liver of patients chronically infected with Hepatitis B virus.
J Immunol. 1994 Mar 15;152(6):3074-87.
PMID: 7511637 [PubMed - indexed for MEDLINE]
-  **369:** [Pierceall WE, Cho KR, Getzenberg RH, Reale MA, Hedrick L, Vogelstein B, Fearon ER](#). Related Articles, Links
NIH3T3 cells expressing the deleted in colorectal cancer tumor suppressor gene product stimulate neurite outgrowth in rat PC12 pheochromocytoma cells.
J Cell Biol. 1994 Mar;124(6):1017-27.
PMID: 8132705 [PubMed - indexed for MEDLINE]
-  **370:** [Peter N, Aronoff B, Wu F, Schacher S](#). Related Articles, Links
Decrease in growth cone-neurite fasciculation by sensory or motor cells in vitro accompanies downregulation of Aplysia cell adhesion molecules by neurotransmitters.
J Neurosci. 1994 Mar;14(3 Pt 2):1413-21.
PMID: 7907362 [PubMed - indexed for MEDLINE]
-  **371:** [Kimber SJ, Bentley J, Ciemerych M, Moller CJ, Bock E](#). Related Articles, Links
Expression of N-CAM in fertilized pre- and periimplantation and parthenogenetically activated mouse embryos.
Eur J Cell Biol. 1994 Feb;63(1):102-13.
PMID: 8005097 [PubMed - indexed for MEDLINE]
-  **372:** [Mainiero F, Gismondi A, Milella M, Morrone S, Palmieri G, Piccoli M, Frati L, Santoni A](#). Related Articles, Links
Long term activation of natural killer cells results in modulation of beta 1-integrin expression and function.
J Immunol. 1994 Jan 15;152(2):446-54.
PMID: 7506724 [PubMed - indexed for MEDLINE]
-  **373:** [Perides G, Safran RM, Downing LA, Charness ME](#). Related Articles, Links
Regulation of neural cell adhesion molecule and L1 by the transforming growth factor-beta superfamily. Selective effects of the bone morphogenetic proteins.
J Biol Chem. 1994 Jan 7;269(1):765-70.
PMID: 8276880 [PubMed - indexed for MEDLINE]
-  **374:** [Schwanzel-Fukuda M, Pfaff DW](#). Related Articles, Links

-  Luteinizing hormone-releasing hormone (LHRH) and neural cell adhesion molecule (NCAM)-immunoreactivity in development of the forebrain and reproductive system.
Ann Endocrinol (Paris). 1994;55(6):235-41. Review.
PMID: 7864579 [PubMed - indexed for MEDLINE]
-  **375:** [Arai Y, Murakami S, Seki T.](#) [Related Articles, Links](#)
-  Removal of olfactory placode prevents the development of LHRH neurons in the forebrain of the chick embryo: possible interaction between migrating LHRH neurons and highly polysialylated form of neural cell adhesion molecule (NCAM-H).
Acta Biol Hung. 1994;45(2-4):155-68.
PMID: 7725814 [PubMed - indexed for MEDLINE]
-  **376:** [D'Alessandro JS, Yetz-Aldape J, Wang EA.](#) [Related Articles, Links](#)
-  Bone morphogenetic proteins induce differentiation in astrocyte lineage cells.
Growth Factors. 1994;11(1):53-69.
PMID: 7530466 [PubMed - indexed for MEDLINE]
-  **377:** [Joachim HL, Pambuccian S, Giancotti F, Dorsett B.](#) [Related Articles, Links](#)
-  Reactivity of lung tumors with lung-derived and non-lung-derived monoclonal antibodies.
Int J Cancer Suppl. 1994;8:132-3.
PMID: 7515026 [PubMed - indexed for MEDLINE]
-  **378:** [Longo FM, Martignetti JA, Le Beau JM, Zhang JS, Barnes JP, Brosius J.](#) [Related Articles, Links](#)
-  Leukocyte common antigen-related receptor-linked tyrosine phosphatase. Regulation of mRNA expression.
J Biol Chem. 1993 Dec 15;268(35):26503-11.
PMID: 8253779 [PubMed - indexed for MEDLINE]
-  **379:** [Burger D, Pidoux L, Steck AJ.](#) [Related Articles, Links](#)
-  Identification of the glycosylated sequons of human myelin-associated glycoprotein.
Biochem Biophys Res Commun. 1993 Dec 15;197(2):457-64.
PMID: 7505568 [PubMed - indexed for MEDLINE]
-  **380:** [Schmidt-Wolf IG, Lefterova P, Mehta BA, Fernandez LP, Huhn D, Blume KG, Weissman IL, Negrin RS.](#) [Related Articles, Links](#)
-  Phenotypic characterization and identification of effector cells involved in tumor cell recognition of cytokine-induced killer cells.
Exp Hematol. 1993 Dec;21(13):1673-9.
PMID: 7694868 [PubMed - indexed for MEDLINE]
-  **381:** [Saito S, Morii T, Enomoto M, Sakakura S, Nishikawa K, Narita N, Ichijo M.](#) [Related Articles, Links](#)
-  The effect of interleukin 2 and transforming growth factor-beta 2 (TGF-beta 2) on the proliferation and natural killer activity of decidual CD16-CD56bright natural killer cells.
Cell Immunol. 1993 Dec;152(2):605-13.
PMID: 7504983 [PubMed - indexed for MEDLINE]
-  **382:** [Nishiyama I, Seki T, Oota T, Ohta M, Ogiso M.](#) [Related Articles, Links](#)
-  Expression of highly polysialylated neural cell adhesion molecule in calcitonin-producing cells.
Neuroscience. 1993 Oct;56(3):777-86.

PMID: 8255434 [PubMed - indexed for MEDLINE]

-  **383:** [Rao Y, Wu XF, Yip P, Gariepy J, Siu CH.](#) [Related Articles, Links](#)



Structural characterization of a homophilic binding site in the neural cell adhesion molecule.

J Biol Chem. 1993 Sep 25;268(27):20630-8.

PMID: 8376414 [PubMed - indexed for MEDLINE]


-  **384:** [Harper SJ, Walsh FS, Doherty P.](#) [Related Articles, Links](#)



Neurite outgrowth of spinal neurons on tissue sections of embryonic muscle is largely integrin dependent.

Neurosci Lett. 1993 Sep 3;159(1-2):202-6.

PMID: 8264967 [PubMed - indexed for MEDLINE]


-  **385:** [Zhou H, Fuks A, Alcaraz G, Bolling TJ, Stanners CP.](#) [Related Articles, Links](#)



Homophilic adhesion between Ig superfamily carcinoembryonic antigen molecules involves double reciprocal bonds.

J Cell Biol. 1993 Aug;122(4):951-60.

PMID: 8349740 [PubMed - indexed for MEDLINE]

-  **386:** [Gaardsvoll H, Krog L, Zhernosekov D, Andersson AM, Edvardsen K, Olsen M, Bock E, Linnemann D.](#) [Related Articles, Links](#)



Age-related changes in expression of neural cell adhesion molecule (NCAM) in heart: a comparative study of newborn, adult and aged rats.

Eur J Cell Biol. 1993 Jun;61(1):100-7.

PMID: 8223694 [PubMed - indexed for MEDLINE]


-  **387:** [Pollerberg GE, Beck-Sickinger A.](#) [Related Articles, Links](#)



A functional role for the middle extracellular region of the neural cell adhesion molecule (NCAM) in axonal fasciculation and orientation.

Dev Biol. 1993 Apr;156(2):324-40.

PMID: 8462735 [PubMed - indexed for MEDLINE]


-  **388:** [Tome Y, Hirohashi S, Noguchi M, Matsuno Y, Shimozato Y.](#) [Related Articles, Links](#)



Comparison of immunoreactivity between two different monoclonal antibodies recognizing peptide and polysialic acid chain epitopes on the neural cell adhesion molecule in normal tissues and lung tumors.

Acta Pathol Jpn. 1993 Apr;43(4):168-75.

PMID: 7684180 [PubMed - indexed for MEDLINE]

-  **389:** [Andersson AM, Olsen M, Zhernosekov D, Gaardsvoll H, Krog L, Linnemann D, Bock E.](#) [Related Articles, Links](#)



Age-related changes in expression of the neural cell adhesion molecule in skeletal muscle: a comparative study of newborn, adult and aged rats.

Biochem J. 1993 Mar 15;290 (Pt 3):641-8.

PMID: 8457191 [PubMed - indexed for MEDLINE]


-  **390:** [Davidoff MS, Schulze W, Middendorff R, Holstein AF.](#) [Related Articles, Links](#)



The Leydig cell of the human testis--a new member of the diffuse neuroendocrine system.

Cell Tissue Res. 1993 Mar;271(3):429-39.

PMID: 8472301 [PubMed - indexed for MEDLINE]

-  **391:** [Lyles JM, Amin W, Bock E, Weill CL.](#) [Related Articles, Links](#)




Regulation of NCAM by growth factors in serum-free myotube cultures.

J Neurosci Res. 1993 Feb 15;34(3):273-86.

PMID: 8384266 [PubMed - indexed for MEDLINE]

[Yoshimi T, Mimura N, Aimoto S, Asano A.](#)

[Related Articles, Links](#)


 **392:**



Transitional expression of neural cell adhesion molecule isoforms during chicken embryonic myogenesis.

Cell Struct Funct. 1993 Feb;18(1):1-11.

PMID: 8504457 [PubMed - indexed for MEDLINE]

 **393:** [Linnemann D, Gaardsvoll H, Olsen M, Bock E.](#)


[Related Articles, Links](#)



Expression of NCAM mRNA and polypeptides in aging rat brain.

Int J Dev Neurosci. 1993 Feb;11(1):71-81.

PMID: 8488756 [PubMed - indexed for MEDLINE]

 **394:** [Mayanil CS, Knepper PA.](#)


[Related Articles, Links](#)



Synaptic vesicle and synaptic membrane glycoproteins during pre- and postnatal development of mouse cerebral cortex, cerebellum and spinal cord.

Dev Neurosci. 1993;15(2):133-45.

PMID: 8168438 [PubMed - indexed for MEDLINE]

 **395:** [Pesheva P, Gennarini G, Goridis C, Schachner M.](#)


[Related Articles, Links](#)



The F3/11 cell adhesion molecule mediates the repulsion of neurons by the extracellular matrix glycoprotein J1-160/180.

Neuron. 1993 Jan;10(1):69-82.

PMID: 7678967 [PubMed - indexed for MEDLINE]

 **396:** [Kallapur SG, Akeson RA.](#)


[Related Articles, Links](#)



The neural cell adhesion molecule (NCAM) heparin binding domain binds to cell surface heparan sulfate proteoglycans.

J Neurosci Res. 1992 Dec;33(4):538-48.

PMID: 1484387 [PubMed - indexed for MEDLINE]

 **397:** [Inoue H, Kasai K, Shinada J, Yoshimura H, Kameya T.](#)


[Related Articles, Links](#)



Pulmonary blastoma. Comparison between its epithelial components and fetal bronchial epithelium.

Acta Pathol Jpn. 1992 Dec;42(12):884-92.

PMID: 1290326 [PubMed - indexed for MEDLINE]

 **398:** [Boiardi L, Salvarani C, Macchioni P, Casadei Maldini M, Mancini R, Beltrandi E, Rossi F, Lodi L, Portioli I.](#)


[Related Articles, Links](#)



Immunologic effects in patients with psoriatic arthritis treated with cyclosporine A.

J Rheumatol. 1992 Dec;19(12):1933-7.

PMID: 1284133 [PubMed - indexed for MEDLINE]

 **399:** [Dickson G, Azad A, Morris GE, Simon H, Noursadeghi M, Walsh FS.](#)


[Related Articles, Links](#)



Co-localization and molecular association of dystrophin with laminin at the surface of mouse and human myotubes.

J Cell Sci. 1992 Dec;103 (Pt 4):1223-33.

PMID: 1283164 [PubMed - indexed for MEDLINE]

 **400:** [Gloor S, Nasse K, Essen LO, Appel F.](#)


[Related Articles, Links](#)






































Production and secretion in CHO cells of the extracellular domain of AMOG/beta 2, a type-II membrane protein.




















Gene. 1992 Oct 21;120(2):307-12.

PMID: 1383096 [PubMed - indexed for MEDLINE]




















 **401:** [Mayerhofer A, Seidl K, Lahr G, Bitter-Suermann D, Christoph A, Barthels D, Wille W, Gratzl M.](#) [Related Articles, Links](#)

-  **Leydig cells express neural cell adhesion molecules in vivo and in vitro.**
Biol Reprod. 1992 Oct;47(4):656-64.
PMID: 1391354 [PubMed - indexed for MEDLINE]
-  **402:** Krog L, Olsen M, Dalseg AM, Roth J, Bock E. Related Articles, Links
-  **Characterization of soluble neural cell adhesion molecule in rat brain, CSF, and plasma.**
J Neurochem. 1992 Sep;59(3):838-47.
PMID: 1494910 [PubMed - indexed for MEDLINE]
-  **403:** Rao Y, Wu XF, Garipey J, Rutishauser U, Siu CH. Related Articles, Links
-  **Identification of a peptide sequence involved in homophilic binding in the neural cell adhesion molecule NCAM.**
J Cell Biol. 1992 Aug;118(4):937-49.
PMID: 1380002 [PubMed - indexed for MEDLINE]
-  **404:** Gruzov MA, Shliakhovenko VS, Zak KP, Efimov AS, Kalinovskii AK, Mikhailovskia EV, Sliusarenko NS. Related Articles, Links
-  **[The effect of insulin therapy on the level of natural killer cells of different immunological phenotypes (CD16+, CD56+ and CD57+) in the blood of patients with diabetes mellitus type I]**
Lik Sprava. 1992 Aug;(8):60-2. Russian.
PMID: 1282283 [PubMed - indexed for MEDLINE]
-  **405:** Frei T, von Bohlen und Halbach F, Wille W, Schachner M. Related Articles, Links
-  **Different extracellular domains of the neural cell adhesion molecule (N-CAM) are involved in different functions.**
J Cell Biol. 1992 Jul;118(1):177-94.
PMID: 1618903 [PubMed - indexed for MEDLINE]
-  **406:** Schwanzel-Fukuda M, Abraham S, Crossin KL, Edelman GM, Pfaff DW. Related Articles, Links
-  **Immunocytochemical demonstration of neural cell adhesion molecule (NCAM) along the migration route of luteinizing hormone-releasing hormone (LHRH) neurons in mice.**
J Comp Neurol. 1992 Jul 1;321(1):1-18.
PMID: 1613133 [PubMed - indexed for MEDLINE]
-  **407:** Nordinmann JJ, Artault JC. Related Articles, Links
-  **Membrane retrieval following exocytosis in isolated neurosecretory nerve endings.**
Neuroscience. 1992 Jul;49(1):201-7.
PMID: 1407546 [PubMed - indexed for MEDLINE]
-  **408:** Lipkin VM, Surina EA, Petukhova GV, Petrov VM, Mirzoeva SF, Rakitina TV. Related Articles, Links
-  **Relationship of neural cell adhesion molecules (N-CAMs) with adenylate cyclase.**
FEBS Lett. 1992 Jun 8;304(1):9-11.
PMID: 1618305 [PubMed - indexed for MEDLINE]
-  **409:** Kohl A, Giese KP, Mobajeri MH, Montag D, Moos M, Schachner M. Related Articles, Links
-  **Analysis of promoter activity and 5' genomic structure of the neural cell adhesion molecule L1.**
J Neurosci Res. 1992 Jun;32(2):167-77.
PMID: 1404492 [PubMed - indexed for MEDLINE]
-  **410:** Murdoch AD, Dodge GR, Cohen I, Tuan RS, Iozzo RV. Related Articles, Links

-  Primary structure of the human heparan sulfate proteoglycan from basement membrane (HSPG2/perlecan). A chimeric molecule with multiple domains homologous to the low density lipoprotein receptor, laminin, neural cell adhesion molecules, and epidermal growth factor. J Biol Chem. 1992 Apr 25;267(12):8544-57. PMID: 1569102 [PubMed - indexed for MEDLINE]
-  **411:** [Tomizawa K, Ishizaka A, Nakanishi M, Kojima K, Sakiyama Y, Matsumoto S.](#) Related Articles, Links
-  Interleukin-4 down-regulates the IL2Rp70-75 expressed on human natural killer cells. Immunol Lett. 1992 Apr;32(2):101-3. No abstract available. PMID: 1377170 [PubMed - indexed for MEDLINE]
-  **412:** [Schwanzel-Fukuda M, Zheng LM, Bergen H, Weesner G, Pfaff DW.](#) Related Articles, Links
-  LHRH neurons: functions and development. Prog Brain Res. 1992;93:189-201; discussion 201-3. Review. PMID: 1480748 [PubMed - indexed for MEDLINE]
-  **413:** [Krog L, Bock E.](#) Related Articles, Links
-  Glycosylation of neural cell adhesion molecules of the immunoglobulin superfamily. APMIS Suppl. 1992;27:53-70. Review. PMID: 1381598 [PubMed - indexed for MEDLINE]
-  **414:** [Noonan DM, Fulle A, Valente P, Cai S, Horigan E, Sasaki M, Yamada Y, Hassell JR.](#) Related Articles, Links
-  The complete sequence of perlecan, a basement membrane heparan sulfate proteoglycan, reveals extensive similarity with laminin A chain, low density lipoprotein-receptor, and the neural cell adhesion molecule. J Biol Chem. 1991 Dec 5;266(34):22939-47. PMID: 1744087 [PubMed - indexed for MEDLINE]
-  **415:** [Aoki J, Umeda M, Takio K, Titani K, Utsumi H, Sasaki M, Inoue K.](#) Related Articles, Links
-  Neural cell adhesion molecule mediates contact-dependent inhibition of growth of near-diploid mouse fibroblast cell line m5S/1M. J Cell Biol. 1991 Dec;115(6):1751-61. PMID: 1757472 [PubMed - indexed for MEDLINE]
-  **416:** [Messing RO, Hentleff M, Park JJ.](#) Related Articles, Links
-  Ethanol enhances growth factor-induced neurite formation in PC12 cells. Brain Res. 1991 Nov 29;565(2):301-11. PMID: 1688193 [PubMed - indexed for MEDLINE]
-  **417:** [Murakami S, Seki T, Wakabayashi K, Arai Y.](#) Related Articles, Links
-  The ontogeny of luteinizing hormone-releasing hormone (LHRH) producing neurons in the chick embryo: possible evidence for migrating LHRH neurons from the olfactory epithelium expressing a highly polysialylated neural cell adhesion molecule. Neurosci Res. 1991 Nov;12(3):421-31. PMID: 1664924 [PubMed - indexed for MEDLINE]
-  **418:** [Tome Y, Hirohashi S, Noguchi M, Matsuno Y, Kishi K, Uei Y, Shimosato Y.](#) Related Articles, Links
-  Immunocytologic diagnosis of small-cell lung cancer in imprint smears. Acta Cytol. 1991 Sep-Oct;35(5):485-90. PMID: 1656682 [PubMed - indexed for MEDLINE]

-  **419:** [Theodosis DT, Rougon G, Poulain DA.](#) [Related Articles, Links](#)
-  Retention of embryonic features by an adult neuronal system capable of plasticity: polysialylated neural cell adhesion molecule in the hypothalamo-neurohypophysial system.
Proc Natl Acad Sci U S A. 1991 Jul 1;88(13):5494-8.
PMID: 2062831 [PubMed - indexed for MEDLINE]
-  **420:** [Moss RB, Golightly MG.](#) [Related Articles, Links](#)
-  In vitro enhancement of natural cytotoxicity by atrial natriuretic peptide fragment 4-28.
Peptides. 1991 Jul-Aug;12(4):851-4.
PMID: 1724080 [PubMed - indexed for MEDLINE]
-  **421:** [Frost G, Patel K, Bourne S, Coakham HB, Kemshead JT.](#) [Related Articles, Links](#)
-  Expression of alternative isoforms of the neural cell adhesion molecule (NCAM) on normal brain and a variety of brain tumours.
Neuropathol Appl Neurobiol. 1991 Jun;17(3):207-17.
PMID: 1891065 [PubMed - indexed for MEDLINE]
-  **422:** [Somersalo K, Saksela E.](#) [Related Articles, Links](#)
-  Fibronectin facilitates the migration of human natural killer cells.
Eur J Immunol. 1991 Jan;21(1):35-42.
PMID: 1703963 [PubMed - indexed for MEDLINE]
-  **423:** [Gismondi A, Morrone S, Humphries MJ, Piccoli M, Frati L, Santoni A.](#) [Related Articles, Links](#)
-  Human natural killer cells express VLA-4 and VLA-5, which mediate their adhesion to fibronectin.
J Immunol. 1991 Jan 1;146(1):384-92.
PMID: 1701798 [PubMed - indexed for MEDLINE]
-  **424:** [Aletsee-Ufrecht MC, Langley K, Gratzl O, Gratzl M.](#) [Related Articles, Links](#)
-  Differential expression of the neural cell adhesion molecule NCAM 140 in human pituitary tumors.
FEBS Lett. 1990 Oct 15;272(1-2):45-9.
PMID: 2121537 [PubMed - indexed for MEDLINE]
-  **425:** [Roubin R, Deagostini-Bazin H, Hirsch MR, Goridis C.](#) [Related Articles, Links](#)
-  Modulation of NCAM expression by transforming growth factor-beta, serum, and autocrine factors.
J Cell Biol. 1990 Aug;111(2):673-84.
PMID: 2380247 [PubMed - indexed for MEDLINE]
-  **426:** [Reyes AA, Akesson R, Brezina L, Cole GJ.](#) [Related Articles, Links](#)
-  Structural requirements for neural cell adhesion molecule-heparin interaction.
Cell Regul. 1990 Jul;1(8):567-76.
PMID: 2078567 [PubMed - indexed for MEDLINE]
-  **427:** [Key B, Akesson RA.](#) [Related Articles, Links](#)
-  Olfactory neurons express a unique glycosylated form of the neural cell adhesion molecule (N-CAM).
J Cell Biol. 1990 May;110(5):1729-43.
PMID: 2186048 [PubMed - indexed for MEDLINE]
-  **428:** [Zuber C, Roth J.](#) [Related Articles, Links](#)

The relationship of polysialic acid and the neural cell adhesion molecule

-  **N-CAM in Wilms tumor and their subcellular distributions.**
Eur J Cell Biol. 1990 Apr;51(2):313-21.
PMID: 2161767 [PubMed - indexed for MEDLINE]
-  **429:** Ramsdell JS. Related Articles, Links
-  **Induction of distinct phenotypes in clonal and variant GH4 pituitary cells.**
In Vitro Cell Dev Biol. 1990 Mar;26(3 Pt 1):250-8.
PMID: 2318790 [PubMed - indexed for MEDLINE]
-  **430:** Moolenaar CE, Muller EJ, Schol DJ, Figdor CG, Bock E, Bitter-Suermann D, Michalides RJ. Related Articles, Links
-  **Expression of neural cell adhesion molecule-related sialoglycoprotein in small cell lung cancer and neuroblastoma cell lines H69 and CHP-212.**
Cancer Res. 1990 Feb 15;50(4):1102-6.
PMID: 2153450 [PubMed - indexed for MEDLINE]
-  **431:** Lehmann JM, Riethmuller G, Johnson JP. Related Articles, Links
-  **MUC18, a marker of tumor progression in human melanoma, shows sequence similarity to the neural cell adhesion molecules of the immunoglobulin superfamily.**
Proc Natl Acad Sci U S A. 1989 Dec;86(24):9891-5.
PMID: 2602381 [PubMed - indexed for MEDLINE]
-  **432:** Nybroe O, Linnemann D, Bock E. Related Articles, Links
-  **Heterogeneity of soluble neural cell adhesion molecule.**
J Neurochem. 1989 Nov;53(5):1372-8.
PMID: 2795005 [PubMed - indexed for MEDLINE]
-  **433:** Mann DA, Doherty P, Walsh FS. Related Articles, Links
-  **Increased intracellular cyclic AMP differentially modulates nerve growth factor induction of three neuronal recognition molecules involved in neurite outgrowth.**
J Neurochem. 1989 Nov;53(5):1581-8.
PMID: 2571678 [PubMed - indexed for MEDLINE]
-  **434:** Keshmirian J, Bray G, Carbonetto S. Related Articles, Links
-  **The extracellular matrix modulates the response of PC12 cells to nerve growth factor: cell aggregation versus neurite outgrowth on 3-dimensional laminin substrata.**
J Neurocytol. 1989 Aug;18(4):491-504.
PMID: 2553876 [PubMed - indexed for MEDLINE]
-  **435:** Charbonneau H, Tonks NK, Kumar S, Diltz CD, Harrylock M, Cool DE, Krebs EG, Fischer EH, Walsh KA. Related Articles, Links
-  **Human placenta protein-tyrosine-phosphatase: amino acid sequence and relationship to a family of receptor-like proteins.**
Proc Natl Acad Sci U S A. 1989 Jul;86(14):5252-6.
PMID: 2546149 [PubMed - indexed for MEDLINE]
-  **436:** Mackie K, Sorkin BC, Nairn AC, Greengard P, Edelman GM, Cunningham BA. Related Articles, Links
-  **Identification of two protein kinases that phosphorylate the neural cell-adhesion molecule, N-CAM.**
J Neurosci. 1989 Jun;9(6):1883-96.
PMID: 2542481 [PubMed - indexed for MEDLINE]
-  **437:** Lanier LL, Testi R, Bindl J, Phillips JH. Related Articles, Links
-  **Identity of Leu-19 (CD56) leukocyte differentiation antigen and neural**

cell adhesion molecule.

J Exp Med. 1989 Jun 1;169(6):2233-8.

PMID: 2471777 [PubMed - indexed for MEDLINE]


-  **438:** [Prince JT, Milona N, Stallcup WB.](#) [Related Articles, Links](#)



Characterization of a partial cDNA clone for the NILE glycoprotein and identification of the encoded polypeptide domain.

J Neurosci. 1989 May;9(5):1825-34.

PMID: 2723751 [PubMed - indexed for MEDLINE]


-  **439:** [Werdelin L, Gjerris A, Boysen G, Fahrenkrug J, Jorgensen OS, Rehfeld JF.](#) [Related Articles, Links](#)



Neuropeptides and neural cell adhesion molecule (NCAM) in CSF from patients with ALS.

Acta Neurol Scand. 1989 Mar;79(3):177-81.

PMID: 2718735 [PubMed - indexed for MEDLINE]

-  **440:** [Thompson J, Dickson G, Moore SE, Gower HJ, Putt W, Kenimer JG, Barton CH, Walsh FS.](#) [Related Articles, Links](#)



Alternative splicing of the neural cell adhesion molecule gene generates variant extracellular domain structure in skeletal muscle and brain.

Genes Dev. 1989 Mar;3(3):348-57.

PMID: 2542126 [PubMed - indexed for MEDLINE]


-  **441:** [Prince JT, Milona N, Stallcup WB.](#) [Related Articles, Links](#)



Characterization of a partial cDNA clone for the NILE glycoprotein and identification of the encoded polypeptide domain.

J Neurosci. 1989 Mar;9(3):876-83.

PMID: 2466966 [PubMed - indexed for MEDLINE]

-  **442:** [Becker JW, Erickson HP, Hoffman S, Cunningham BA, Edelman GM.](#) [Related Articles, Links](#)



Topology of cell adhesion molecules.

Proc Natl Acad Sci U S A. 1989 Feb;86(3):1088-92. Erratum in: Proc Natl Acad Sci U S A 1989 Jul;86(14):5670.

PMID: 2915974 [PubMed - indexed for MEDLINE]


-  **443:** [Cole GJ, Akeson R.](#) [Related Articles, Links](#)



Identification of a heparin binding domain of the neural cell adhesion molecule N-CAM using synthetic peptides.

Neuron. 1989 Feb;2(2):1157-65.

PMID: 2624745 [PubMed - indexed for MEDLINE]

-  **444:** [Pagliusi S, Antonicek H, Gloor S, Frank R, Moos M, Schachner M.](#) [Related Articles, Links](#)



Identification of a cDNA clone specific for the neural cell adhesion molecule AMOG.

J Neurosci Res. 1989 Feb;22(2):113-9. Erratum in: J Neurosci Res 1989 Dec;24(4):567.

PMID: 2468782 [PubMed - indexed for MEDLINE]

-  **445:** [Dalseg AM, Linnemann D, Bock E.](#) [Related Articles, Links](#)



Soluble neural cell adhesion molecule in brain, cerebrospinal fluid and plasma in the developing rat.

Int J Dev Neurosci. 1989;7(2):209-17.

PMID: 2711876 [PubMed - indexed for MEDLINE]

-  **446:** [Roth J, Zuber C, Taatjes DJ, Blaha I, Heitz PU.](#) [Related Articles, Links](#)



[A highly sialylated, embryonic form of the neural cell adhesion molecule in Wilms tumor: identification of a cell adhesion molecule as a onco-

developmental antigen]


Verh Dtsch Ges Pathol. 1989;73:372-87. German.
PMID: 2482622 [PubMed - indexed for MEDLINE]

-  **447:** [Cole GJ, Schachner M, Fliesler SJ.](#) Related Articles, Links



N-linked oligosaccharides are not required for neuron-neuron interactions mediated by neural cell adhesion molecule.


Neurosci Lett. 1988 Nov 11;93(2-3):170-5.
PMID: 3241640 [PubMed - indexed for MEDLINE]

-  **448:** [Noonan DM, Horigan EA, Ledbetter SR, Vogeli G, Sasaki M, Yamada Y, Hassell JR.](#) Related Articles, Links



Identification of cDNA clones encoding different domains of the basement membrane heparan sulfate proteoglycan.

J Biol Chem. 1988 Nov 5;263(31):16379-87.
PMID: 2972708 [PubMed - indexed for MEDLINE]

-  **449:** [Roth J, Zuber C, Wagner P, Blaha I, Bitter-Suermann D, Heitz PU.](#) Related Articles, Links



Presence of the long chain form of polysialic acid of the neural cell adhesion molecule in Wilms' tumor. Identification of a cell adhesion molecule as an oncodevelopmental antigen and implications for tumor histogenesis.

Am J Pathol. 1988 Nov;133(2):227-40.
PMID: 2461089 [PubMed - indexed for MEDLINE]

-  **450:** [Breen KC, Nolan PM, Regan CM.](#) Related Articles, Links



Soluble rat brain sialidase does not influence intracellular glycosylation of Golgi sialyltransferase or its constitutive glycoproteins.


Neurosci Lett. 1988 Jun 7;88(3):308-12.
PMID: 3386877 [PubMed - indexed for MEDLINE]

-  **451:** [Breen KC, Regan CM.](#) Related Articles, Links



Differentiation-dependent sialylation of individual neural cell adhesion molecule polypeptides during postnatal development.

J Neurochem. 1988 Mar;50(3):712-6.
PMID: 3339347 [PubMed - indexed for MEDLINE]

-  **452:** [Kunemund V, Jungalwala FB, Fischer G, Chou DK, Keilhauer G, Schachner M.](#) Related Articles, Links



The L2/HNK-1 carbohydrate of neural cell adhesion molecules is involved in cell interactions.


J Cell Biol. 1988 Jan;106(1):213-23.
PMID: 2448311 [PubMed - indexed for MEDLINE]

-  **453:** [He HT, Finne J, Goridis C.](#) Related Articles, Links



Biosynthesis, membrane association, and release of N-CAM-120, a phosphatidylinositol-linked form of the neural cell adhesion molecule.


J Cell Biol. 1987 Dec;105(6 Pt 1):2489-500.
PMID: 3693391 [PubMed - indexed for MEDLINE]



















-  **454:** [Sunshine J, Balak K, Rutishauser U, Jacobson M.](#) Related Articles, Links












Changes in neural cell adhesion molecule (NCAM) structure during vertebrate neural development.

Proc Natl Acad Sci U S A. 1987 Aug;84(16):5986-90.
PMID: 3475717 [PubMed - indexed for MEDLINE]

-  **455:** [Cunningham BA, Hemperly JJ, Murray BA, Prediger EA, Brackenbury R, Edelman GM.](#) Related Articles, Links

-  Neural cell adhesion molecule: structure, immunoglobulin-like domains, cell surface modulation, and alternative RNA splicing.
Science. 1987 May 15;236(4803):799-806.
PMID: 3576199 [PubMed - indexed for MEDLINE]
-  **456:** Lipinski M, Braham K, Philip I, Wiels J, Philip T, Goridis C, Lenoir GM, Tursz T. Related Articles, Links
-  Neuroectoderm-associated antigens on Ewing's sarcoma cell lines.
Cancer Res. 1987 Jan 1;47(1):183-7.
PMID: 3024814 [PubMed - indexed for MEDLINE]
-  **457:** Arquint M, Roder J, Chia LS, Down J, Wilkinson D, Bayley H, Braun P, Dunn R. Related Articles, Links
-  Molecular cloning and primary structure of myelin-associated glycoprotein.
Proc Natl Acad Sci U S A. 1987 Jan;84(2):600-4.
PMID: 2432614 [PubMed - indexed for MEDLINE]
-  **458:** Cole GJ, Loewy A, Cross NV, Akeson R, Glaser L. Related Articles, Links
-  Topographic localization of the heparin-binding domain of the neural cell adhesion molecule N-CAM.
J Cell Biol. 1986 Nov;103(5):1739-44.
PMID: 2430978 [PubMed - indexed for MEDLINE]
-  **459:** Watanabe M, Frelinger AL 3rd, Rutishauser U. Related Articles, Links
-  Topography of N-CAM structural and functional determinants. I. Classification of monoclonal antibody epitopes.
J Cell Biol. 1986 Nov;103(5):1721-7.
PMID: 2430976 [PubMed - indexed for MEDLINE]
-  **460:** Noronha AB, Harper JR, Ilyas AA, Reisfeld RA, Quarles RH. Related Articles, Links
-  Myelin-associated glycoprotein shares an antigenic determinant with a glycoprotein of human melanoma cells.
J Neurochem. 1986 Nov;47(5):1558-65.
PMID: 2428939 [PubMed - indexed for MEDLINE]
-  **461:** Murray BA, Owens GC, Prediger EA, Crossin KL, Cunningham BA, Edelman GM. Related Articles, Links
-  Cell surface modulation of the neural cell adhesion molecule resulting from alternative mRNA splicing in a tissue-specific developmental sequence.
J Cell Biol. 1986 Oct;103(4):1431-9.
PMID: 3771645 [PubMed - indexed for MEDLINE]
-  **462:** Reisine T, Rougon G, Barbet J. Related Articles, Links
-  Liposome delivery of cyclic AMP-dependent protein kinase inhibitor into intact cells: specific blockade of cyclic AMP-mediated adrenocorticotropin release from mouse anterior pituitary tumor cells.
J Cell Biol. 1986 May;102(5):1630-7.
PMID: 3009490 [PubMed - indexed for MEDLINE]
-  **463:** Ffrench-Constant C, Miller RH, Kruse J, Schachner M, Raff MC. Related Articles, Links
-  Molecular specialization of astrocyte processes at nodes of Ranvier in rat optic nerve.
J Cell Biol. 1986 Mar;102(3):844-52.
PMID: 2419343 [PubMed - indexed for MEDLINE]
-  **464:** Friedlander DR, Grumet M, Edelman GM. Related Articles, Links

-  Nerve growth factor enhances expression of neuron-glia cell adhesion molecule in PC12 cells.
J Cell Biol. 1986 Feb;102(2):413-9.
PMID: 3511068 [PubMed - indexed for MEDLINE]
- ☐ **465:** Moss DJ. Related Articles, Links
 Characterisation of a soluble trypsin fragment of GP130: a neuronal glycoprotein associated with the cytoskeleton.
J Cell Biochem. 1986;32(2):97-112.
PMID: 3782313 [PubMed - indexed for MEDLINE]
- ☐ **466:** Lipinski M, Braham K, Philip I, Wiels J, Philip T, Dellagi K, Goridis C, Lenoir GM, Tursz T. Related Articles, Links
 Phenotypic characterization of Ewing sarcoma cell lines with monoclonal antibodies.
J Cell Biochem. 1986;31(4):289-96.
PMID: 3760036 [PubMed - indexed for MEDLINE]
- ☐ **467:** Faissner A, Teplow DB, Kubler D, Keilhauer G, Kinzel V, Schachner M. Related Articles, Links
 Biosynthesis and membrane topography of the neural cell adhesion molecule L1.
EMBO J. 1985 Dec 1;4(12):3105-13.
PMID: 4092678 [PubMed - indexed for MEDLINE]
- ☐ **468:** Reisine T, Rougon G, Barbet J, Affolter HU. Related Articles, Links
 Corticotropin-releasing factor-induced adrenocorticotropin hormone release and synthesis is blocked by incorporation of the inhibitor of cyclic AMP-dependent protein kinase into anterior pituitary tumor cells by liposomes.
Proc Natl Acad Sci U S A. 1985 Dec;82(23):8261-5.
PMID: 2999799 [PubMed - indexed for MEDLINE]
- ☐ **469:** Crossin KL, Edelman GM, Cunningham BA. Related Articles, Links
 Mapping of three carbohydrate attachment sites in embryonic and adult forms of the neural cell adhesion molecule.
J Cell Biol. 1984 Nov;99(5):1848-55.
PMID: 6386828 [PubMed - indexed for MEDLINE]
- ☐ **470:** Sorkin BC, Hoffman S, Edelman GM, Cunningham BA. Related Articles, Links
 Sulfation and phosphorylation of the neural cell adhesion molecule, N-CAM.
Science. 1984 Sep 28;225(4669):1476-8.
PMID: 6474186 [PubMed - indexed for MEDLINE]
- ☐ **471:** Richter-Landsberg C, Lee VM, Salton SR, Shelanski ML, Greene LA. Related Articles, Links
 Release of the NILE and other glycoproteins from cultured PC12 rat pheochromocytoma cells and sympathetic neurons.
J Neurochem. 1984 Sep;43(3):841-8.
PMID: 6747638 [PubMed - indexed for MEDLINE]
- ☐ **472:** Gennarini G, Hirn M, Deagostini-Bazin H, Goridis C. Related Articles, Links
 Studies on the transmembrane disposition of the neural cell adhesion molecule N-CAM. The use of liposome-inserted radioiodinated N-CAM to study its transbilayer orientation.
Eur J Biochem. 1984 Jul 2;142(1):65-73.
PMID: 6745268 [PubMed - indexed for MEDLINE]

☐ **473:** [Cole GI, Glaser L.](#)

[Related Articles](#), [Links](#)



Inhibition of embryonic neural retina cell-substratum adhesion with a monoclonal antibody.

J Biol Chem. 1984 Apr 10;259(7):4031-4.

PMID: 6706989 [PubMed - indexed for MEDLINE]

☐ **474:** [Grumet M, Hoffman S, Edelman GM.](#)

[Related Articles](#), [Links](#)



Two antigenically related neuronal cell adhesion molecules of different specificities mediate neuron-neuron and neuron-glia adhesion.

Proc Natl Acad Sci U S A. 1984 Jan;81(1):267-71.

PMID: 6364137 [PubMed - indexed for MEDLINE]

☐ **475:** [Cunningham BA, Hoffman S, Rutishauser U, Hemperly JJ, Edelman GM.](#)

[Related Articles](#), [Links](#)



Molecular topography of the neural cell adhesion molecule N-CAM: surface orientation and location of sialic acid-rich and binding regions.

Proc Natl Acad Sci U S A. 1983 May;80(10):3116-20.

PMID: 6344077 [PubMed - indexed for MEDLINE]

☐ **476:** [McClain DA, Edelman GM.](#)

[Related Articles](#), [Links](#)



A neural cell adhesion molecule from human brain.

Proc Natl Acad Sci U S A. 1982 Oct;79(20):6380-4.

PMID: 6959126 [PubMed - indexed for MEDLINE]

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=> S NCAM OR neural cell adhesion molecule

11 FILES SEARCHED...

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46 FILES SEARCHED...

57 FILES SEARCHED...

L1 32415 NCAM OR NEURAL CELL ADHESION MOLECULE

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L2 17487 DUP REM L1 (14928 DUPLICATES REMOVED)

=> S L2 AND peptide
8 FILES SEARCHED...
21 FILES SEARCHED...
30 FILES SEARCHED...
45 FILES SEARCHED...
L3 1662 L2 AND PEPTIDE

=> S L3 AND PY<=1998
'1998' NOT A VALID FIELD CODE
5 FILES SEARCHED...
8 FILES SEARCHED...
12 FILES SEARCHED...
15 FILES SEARCHED...
'1998' NOT A VALID FIELD CODE
24 FILES SEARCHED...
'1998' NOT A VALID FIELD CODE
32 FILES SEARCHED...
35 FILES SEARCHED...
37 FILES SEARCHED...
'1998' NOT A VALID FIELD CODE
42 FILES SEARCHED...
44 FILES SEARCHED...
L4 387 L3 AND PY<=1998

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AN 95:5210 AGRICOLA
DN IND20438399
TI Cell-cell adhesion and morphogenesis in Dictyostelium discoideum.
AU Siu, C.H.; Kamboj, R.K.
CS University of Toronto, Toronto, Ontario, Canada
AV DNAL (QH426.D32)
SO Developmental genetics, ***1990.*** Vol. 11, No. 5/6. p. 377-387
Publisher: New York, N.Y. : Wiley-Liss, Inc.
CODEN: DGNTDW; ISSN: 0192-253X
NTE In the special issue: Dictyostelium discoideum / edited by R.P. Dottin and
R.H. Kessin.
Includes references
CY New York (State); United States
DT Article
FS U.S. Imprints not USDA, Experiment or Extension
LA English

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AN 91:71561 AGRICOLA
DN IND91037793
TI Structure of a new nervous system glycoprotein, Nr-CAM, and its
relationship to subgroups of ***neural*** ***cell***
adhesion ***molecules***
AU Grumet, M.; Mauro, V.; Burgoon, M.P.; Edelman, G.M.; Cunningham, B.A.
CS New York University Medical Center, New York, NY
AV DNAL (442.8 J828)
SO The Journal of cell biology, ***June 1991.*** Vol. 113, No. 6. p.

Publisher: New York, N.Y. : Rockefeller University Press.

CODEN: JCLBA3; ISSN: 0021-9525

NTE Includes references.

DT Article

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LA English

L4 ANSWER 3 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1999:141238 BIOSIS

DN PREV199900141238

TI Identification of ***peptide*** ligands of the ***neural***
cell ***adhesion*** ***molecule*** (***NCAM***) using
combinatorial ***peptide*** libraries.

AU Ronn, L. C. [Reprint author]; Olsen, M.; Ostergaard, S.; Berezin, V.;
Kiselyov, V.; Soroka, V.; Holm, A.; Bock, E.

CS Univ. Copenhagen, Mol. Pathol. Panum Inst., 3C, Blegdamsvej, B.D. 6.2,
DK-2200 Copenhagen N, Denmark

SO Experimental Gerontology, (Nov.-Dec., 1998) Vol. 33, No. 7-8, pp. 916-917.
print.

Meeting Info.: Fourth International Symposium on the Neurobiology and
Neuroendocrinology of Aging. Bregenz, Austria. July 26-31, 1998.

CODEN: EXGEAB. ISSN: 0531-5565.

DT Conference; (Meeting)

Conference; Abstract; (Meeting Abstract)

LA English

ED Entered STN: 31 Mar 1999

Last Updated on STN: 31 Mar 1999

L4 ANSWER 4 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1999:24757 BIOSIS

DN PREV19990024757

TI Structural analysis of the sixth immunoglobulin-like domain of mouse
neural ***cell*** ***adhesion*** ***molecule*** L1 a1
its interactions with alphavbeta3, alphaIIbbeta3, and alpha5beta1
integrins.

AU Blaess, Sandra; Kammerer, Richard A.; Hall, Heike [Reprint author]

CS Dep. Biophys. Chem., Biozentrum Univ. Basel, Klingelbergstrasse 70,
CH-4065 Basel, Switzerland

SO Journal of Neurochemistry, (Dec., 1998) Vol. 71, No. 6, pp. 2615-2625.
print.

CODEN: JONRA9. ISSN: 0022-3042.

DT Article

LA English

ED Entered STN: 20 Jan 1999

Last Updated on STN: 20 Jan 1999

L4 ANSWER 5 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1998:492876 BIOSIS

DN PREV199800492876

TI Ammonia inhibits ***neural*** ***cell*** ***adhesion***
molecule polysialylation in Chinese hamster ovary and small cell
lung cancer cells.

AU Zanghi, James A.; Mendoza, Thomas P.; Knop, Richard H.; Miller, William M.
[Reprint author]

CS Chemical Engineering Dep., Northwestern Univ., 2145 Sheridan Road,
Evanston, IL 60208-3120, USA

SO Journal of Cellular Physiology, (Nov., 1998) Vol. 177, No. 2, pp. 248-263.
print.

CODEN: JCLLAX. ISSN: 0021-9541.

DT Article

LA English

ED Entered STN: 18 Nov 1998

Last Updated on STN: 18 Nov 1998

L4 ANSWER 6 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1998:490877 BIOSIS

DN PREV199800490877

TI A role for polysialic acid in ***neural*** ***cell***
adhesion ***molecule*** heterophilic binding to proteoglycans

AU Storms, Scott D.; Rutishauser, Urs [Reprint author]

CS Program Cell. Biochem. Biophys., PO Box 290, Memorial Sloan-Kettering
Cancer Cent., 1275 York Ave., New York, NY 10021, USA

SO Journal of Biological Chemistry, (Oct. 16, 1998) Vol. 273, No. 42, pp.
27124-27129. print.

CODEN: JBCHA3. ISSN: 0021-9258.

LA English
 ED Entered STN: 18 Nov 1998
 Last Updated on STN: 18 Nov 1998

L4 ANSWER 7 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1998:440568 BIOSIS
 DN PREV199800440568
 TI Tumor necrosis factor induces neuroendocrine differentiation in small cell lung cancer cell lines.
 AU Haley, Kathleen J.; Patidar, Kirit; Zhang, Fan; Emanuel, Rodica L.; Sunday, Mary E. [Reprint author]
 CS Pathol. Dep., Brigham and Women's Hosp., 75 Francis St., Boston, MA 02115, USA
 SO American Journal of Physiology, (Aug., 1998) Vol. 275, No. 2 PART 1, pp. L311-L321. print.
 CODEN: AJPHAP. ISSN: 0002-9513.
 DT Article
 LA English
 ED Entered STN: 7 Oct 1998
 Last Updated on STN: 7 Oct 1998

L4 ANSWER 8 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1998:259882 BIOSIS
 DN PREV199800259882
 TI Time-dependent reversal of long-term potentiation by an integrin antagonist.
 AU Staubli, Ursula [Reprint author]; Chun, Daniel; Lynch, Gary
 CS N.Y. Univ., Cent. Neural Sci., New York, NY 10003, USA
 SO Journal of Neuroscience, (May 1, 1998) Vol. 18, No. 9, pp. 3460-3469. print.
 CODEN: JNRSDS. ISSN: 0270-6474.
 DT Article
 LA English
 ED Entered STN: 9 Jun 1998
 Last Updated on STN: 12 Aug 1998

L4 ANSWER 9 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1998:224488 BIOSIS
 DN PREV199800224488
 TI Tyrosine and serine phosphorylation of the ***neural*** ***cell*** ***adhesion*** ***molecule*** L1 is implicated in its oligomannosidic glycan dependent association with ***NCAM*** and neurite outgrowth.
 AU Heiland, Petra Cornelia; Griffith, Lee Shane; Lange, Rita; Schachner, Melitta; Hertlein, Birgit; Traub, Otto; Schmitz, Brigitte [Reprint author]
 CS Dep. Biochem., Inst. Animal Anat. Physiol., Univ. Bonn, Katzenburgweg 9a, D-53115 Bonn, Germany
 SO European Journal of Cell Biology, (Feb., 1998) Vol. 75, No. 2, pp. 97-106. print.
 CODEN: EJCBDN. ISSN: 0171-9335.
 DT Article
 LA English
 ED Entered STN: 20 May 1998
 Last Updated on STN: 20 May 1998

L4 ANSWER 10 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1998:168474 BIOSIS
 DN PREV199800168474
 TI Clinicopathologic characteristics of patients with nonsmall cell lung carcinoma with elevated serum progastrin-releasing ***peptide*** levels.
 AU Goto, Koichi [Reprint author]; Kodama, Tetsuro; Hojo, Fumihiko; Kubota, Kauro; Kakinuma, Ryutaro; Matsumoto, Taketoshi; Ohmatsu, Hironobu; Sekine, Ikuo; Nagai, Kanji; Nishiwaki, Yutaka
 CS Div. Thoracic Oncol., Natl. Cancer Cent. Hosp. E., 6-5-1 Kashiwanoha, Kashiwa, Chiba 277, Japan
 SO Cancer, (March 15, 1998) Vol. 82, No. 6, pp. 1056-1061. print.
 CODEN: CANCAR. ISSN: 0008-543X.
 DT Article
 LA English
 ED Entered STN: 6 Apr 1998
 Last Updated on STN: 6 Apr 1998

L4 ANSWER 11 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1998:124329 BIOSIS

TI ***Neural*** ***cell*** ***adhesion*** ***molecule*** ,
 neuron-specific enolase and calcitonin gene-related ***peptide***
 immunoreactivity in hamster taste buds after chorda tympani/lingual nerve
 denervation.
 AU Whitehead, M. C. [Reprint author]; Ganchrow, J. R.; Ganchrow, D.; Yao, B.
 CS Univ. California, San Diego, Div. Anatomy, Dep. Surgery, La Jolla, CA
 92093, USA
 SO Neuroscience, (April, 1998) Vol. 83, No. 3, pp. 843-856. print.
 CODEN: NRSCDN. ISSN: 0306-4522.
 DT Article
 LA English
 ED Entered STN: 5 Mar 1998
 Last Updated on STN: 5 Mar 1998

L4 ANSWER 12 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1998:122185 BIOSIS
 DN PREV199800122185
 TI Characterization of unmyelinated axons uniting epidermal and dermal immune
 cells in primate and murine skin.
 AU Egan, Christine L.; Viglione-Schneck, Mary J.; Walsh, Laurence J.; Green,
 Barry; Trojanowski, John Q.; Whitaker-Menezes, Diana; Murphy, George F.
 [Reprint author]
 CS Div. Diag. Exp. Dermatopathol., Dep. Pathol. Anat. Cell Biol., Jefferson
 Med. Coll., Suite 545, Jefferson Alumni Hall, 1020 Locust St.,
 Philadelphia, PA 19107-6799, USA
 SO Journal of Cutaneous Pathology, (Jan., 1998) Vol. 25, No. 1, pp. 20-29.
 print.
 CODEN: JCUPBN. ISSN: 0303-6987.
 DT Article
 LA English
 ED Entered STN: 5 Mar 1998
 Last Updated on STN: 5 Mar 1998

L4 ANSWER 13 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1998:73418 BIOSIS
 DN PREV199800073418
 TI A single immunoglobulin-like domain of the human ***neural***
 cell ***adhesion*** ***molecule*** L1 supports adhesion
 multiple vascular and platelet integrins.
 AU Felding-Habermann, Brunhilde; Silletti, Steve; Mei, Fang; Siu, Chi-Hung;
 Yip, Paul M.; Brooks, Peter C.; Cheresh, David A.; O'Toole, Timothy E.;
 Ginsberg, Mark H.; Montgomery, Anthony M. P. [Reprint author]
 CS Dep. Immunol., R218, The Scripps Res. Inst., La Jolla, CA 92037, USA
 SO Journal of Cell Biology, (Dec. 15, 1997) Vol. 139, No. 6, pp. 1567-1581.
 print.
 CODEN: JCLBA3. ISSN: 0021-9525.
 DT Article
 LA English
 ED Entered STN: 24 Feb 1998
 Last Updated on STN: 24 Feb 1998

L4 ANSWER 14 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1998:5346 BIOSIS
 DN PREV199800005346
 TI Reduced polysialic acid capsule expression in Escherichia coli K1 mutants
 with chromosomal defects in kpsF.
 AU Cieslewicz, Michael; Vimr, Eric [Reprint author]
 CS Dep. Pathobiol., Coll. Vet. Med., Univ. Illinois Urbana-Champaign, Urbana,
 IL 61802, USA
 SO Molecular Microbiology, (Oct., 1997) Vol. 26, No. 2, pp. 237-249. print.
 CODEN: MOMIEE. ISSN: 0950-382X.
 DT Article
 LA English
 ED Entered STN: 23 Dec 1997
 Last Updated on STN: 23 Dec 1997

L4 ANSWER 15 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1997:491032 BIOSIS
 DN PREV199799790235
 TI VASE-encoded ***peptide*** modifies ***NCAM*** - and L1-mediated
 neurite outgrowth.
 AU Lahrtz, Fritz; Horstkorte, Rudiger; Cremer, Harold; Schachner, Melitta;
 Montag, Dirk [Reprint author]
 CS Dep. Neurobiol., Swiss Federal Inst. Technol., Honggerberg, 8093 Zurich,
 Switzerland

CODEN: JNREDK. ISSN: 0360-4012.

DT Article
LA English
ED Entered STN: 7 Nov 1997
Last Updated on STN: 7 Nov 1997

L4 ANSWER 16 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1997:252016 BIOSIS
DN PREV199799551219
TI Light-microscopic study of insulin like growth factor II (IGF-II) and
insulin like growth factor I receptor (IGF-I-R) in myopathy.
AU Heuss, Dieter Felix
CS Dep. Neurol., Univ. Erlangen-Nuremberg, Schwabachanlage 6, D-91054
Erlangen, Germany
SO Neurological Research, (1997) Vol. 19, No. 2, pp. 153-159.
CODEN: NRESZD. ISSN: 0161-6412.

DT Article
LA English
ED Entered STN: 13 Jun 1997
Last Updated on STN: 13 Jun 1997

L4 ANSWER 17 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1997:174879 BIOSIS
DN PREV199799466592
TI AvGp50, a predominantly axonally expressed glycoprotein, is a member of
the IgLON's subfamily of cell adhesion molecules (CAMs).
AU Hancox, K. A.; Gooley, A. A.; Jeffrey, P. L. [Reprint author]
CS Child. Med. Res. Inst., Locked Bag 23, Wentworthville, NSW 2145, Australia
SO Molecular Brain Research, (1997) Vol. 44, No. 2, pp. 273-285.
CODEN: MBREE4. ISSN: 0169-328X.

DT Article
LA English
ED Entered STN: 24 Apr 1997
Last Updated on STN: 24 Apr 1997

L4 ANSWER 18 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1997:169398 BIOSIS
DN PREV199799476001
TI Expression of a dominant negative FGF receptor inhibits axonal growth and
FGF receptor phosphorylation stimulated by CAMs.
AU Saffell, Jane L. [Reprint author]; Mason, Emma J. Vv Williamsor J.; Walsh,
Frank S. [Reprint author]; Doherty, Patrick [Reprint author]
CS Dep. Experimental Pathol., United Med. Dental Sch., Guy's Hosp., London
Bridge, London SE1 9RT, UK
SO Neuron, (1997) Vol. 18, No. 2, pp. 231-242.
ISSN: 0896-6273.

DT Article
LA English
ED Entered STN: 24 Apr 1997
Last Updated on STN: 24 Apr 1997

L4 ANSWER 19 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1996:553024 BIOSIS
DN PREV199699275380
TI Identification of a ***peptide*** sequence involved in homophilic
binding in the ***neural*** ***cell*** ***adhesion***
molecule L1.
AU Zhao, X.; Siu, C.-H.
CS Banting Best Dep. Medical Res., Univ. Toronto, Toronto, ON M5G 1L6, Canada
SO Society for Neuroscience Abstracts, (1996) Vol. 22, No. 1-3, pp. 1465.
Meeting Info.: 26th Annual Meeting of the Society for Neuroscience.
Washington, D.C., USA. November 16-21, 1996.
ISSN: 0190-5295.

DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LA English
ED Entered STN: 13 Dec 1996
Last Updated on STN: 13 Dec 1996

L4 ANSWER 20 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1996:522889 BIOSIS
DN PREV199699245245
TI Developmental change in expression of highly polysialylated ***neural***
cell ***adhesion*** ***molecule*** in C-cells in rat

AU Nišhiyamā, Ichiro [Reprint author]; Ogiso, Manabu; Oota, Tadachika;
 Kimura, Takako; Seki, Tatsunori
 CS Biol. Lab., Komazawa Women's Univ., 238 Sakahama, Inagi Tokyo 206, Japan
 SO Anatomy and Embryology, (1996) Vol. 194, No. 4, pp. 419-426.
 CODEN: ANEMDG. ISSN: 0340-2061.
 DT Article
 LA English
 ED Entered STN: 22 Nov 1996
 Last Updated on STN: 22 Nov 1996

L4 ANSWER 21 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1996:509797 BIOSIS
 DN PREV199699232153
 TI Early events during avian skin appendage regeneration: Dependence on
 epithelial-mesenchymal interaction and order of molecular reappearance.
 AU Chuong, Cheng-Ming [Reprint author]; Widelitz, Randall B.; Ting-Berreth,
 Sheree; Jiang, Ting-Xin
 CS Dep. Pathol., Sch. Med., Univ. S. C., HMR 204, 2011 Zonal Ave., Los
 Angeles, CA 90033, USA
 SO Journal of Investigative Dermatology, (1996) Vol. 107, No. 4, pp. 639-646.
 CODEN: JIDEAE. ISSN: 0022-202X.
 DT Article
 LA English
 ED Entered STN: 14 Nov 1996
 Last Updated on STN: 14 Nov 1996

L4 ANSWER 22 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1996:416694 BIOSIS
 DN PREV199699139050
 TI Involvement of p90-rsk in neurite outgrowth mediated by the cell adhesion
 molecule L1.
 AU Wong, Eric V.; Schaefer, Andrew W.; Landreth, Gary; Lemmon, Vance [Reprint
 author]
 CS Dept. Neurosciences, Case Western Reserve Univ., 2109 Adelbert Rd.,
 Cleveland, OH 44106-4975, USA
 SO Journal of Biological Chemistry, (1996) Vol. 271, No. 30, pp. 18217-18223.
 CODEN: JBCHA3. ISSN: 0021-9258.
 DT Article
 LA English
 ED Entered STN: 10 Sep 1996
 Last Updated on STN: 10 Sep 1996

L4 ANSWER 23 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1996:411066 BIOSIS
 DN PREV199699133422
 TI Identification of the major autophosphorylation sites of Nyk/Mer, an
 NCAM -related receptor tyrosine kinase.
 AU Ling, Lei; Templeton, Dennis; Kung, Hsing-Jien [Reprint author]
 CS Dep. Mol. Biol. Microbiol., Case Western Reserve Univ., Sch. Med., 10900
 Euclid Ave., Cleveland, OH 44106-4960, USA
 SO Journal of Biological Chemistry, (1996) Vol. 271, No. 31, pp. 18355-18362.
 CODEN: JBCHA3. ISSN: 0021-9258.
 DT Article
 LA English
 ED Entered STN: 10 Sep 1996
 Last Updated on STN: 10 Sep 1996

L4 ANSWER 24 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1996:319071 BIOSIS
 DN PREV199699041427
 TI Unique alpha-2,8-polysialylated glycoproteins in breast cancer and
 leukemia cells.
 AU Martersteck, Christine M.; Kedersha, Nancy L.; Drapp, Darren A.; Tsui,
 Timothy G.; Colley, Karen J. [Reprint author]
 CS Dep. Biochem., Univ. Ill., Coll. Med., Chicago, IL 60612, USA
 SO Glycobiology, (1996) Vol. 6, No. 3, pp. 289-301.
 ISSN: 0959-6658.
 DT Article
 LA English
 ED Entered STN: 11 Jul 1996
 Last Updated on STN: 11 Jul 1996

L4 ANSWER 25 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1996:231226 BIOSIS
 DN PREV199698795355

embryonic mouse olfactory epithelium.
AU MacDonald, K. P. A.; Murrell, W. G.; Bartlett, P. F.; Bushell, G. R.;
CS Mackay-Sim, A. [Reprint author]
SO Fac. Sci. Technol., Griffith Univ., Nathan, QLD 4111, Australia
Journal of Neuroscience Research, (1996) Vol. 44, No. 1, pp. 27-39.
CODEN: JNREDK. ISSN: 0360-4012.
DT Article
LA English
ED Entered STN: 28 May 1996
Last Updated on STN: 28 May 1996

L4 ANSWER 26 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1996:223731 BIOSIS
DN PREV199698779860
TI Relationship between laminin ***peptides*** and integrin alpha-1,
alpha-2, alpha-3, alpha-5 and beta-1.
AU Tashiro, K. [Reprint author]; Monji, A.; Yoshida, I.; Anai, M.; Okamura,
K.; Tashiro, N.
CS Department Medical Technology, School Health Sciences, Faculty Medicine,
Kyushu University, 3-1-1 Maidashi, Fukuoka 812, Japan
SO Neurosciences, (1995) Vol. 21, No. SUPPL. 2, pp. P117-P120.
CODEN: NUOCDO. ISSN: 0388-7448.
DT Article
LA Japanese
ED Entered STN: 8 May 1996
Last Updated on STN: 10 Jun 1996

L4 ANSWER 27 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1996:136694 BIOSIS
DN PREV199698708829
TI Effects of chorda/lingual denervation on NSE, ***NCAM*** and CGRP
immunoreactivity associated with fungiform taste buds in the hamster.
AU Whitehead, M. C. [Reprint author]; McGlathery, S. T. [Reprint author];
Ganchrow, D.; Ganchrow, J. R.
CS UCSD, La Jolla, CA 92093, USA
SO Chemical Senses, (1995) Vol. 20, No. 6, pp. 802.
Meeting Info.: Seventeenth Annual Meeting of the Association for
Chemoreception Sciences (AChemS XVII). Sarasota, Florida, USA. April 1995.
CODEN: CHSED8. ISSN: 0379-864X.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 3 Apr 1996
Last Updated on STN: 26 Apr 1996

L4 ANSWER 28 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1996:111994 BIOSIS
DN PREV199698684129
TI Casein Kinase II phosphorylates the ***neural*** ***cell***
adhesion ***molecule*** L1.
AU Wong, Eric V.; Schaefer, Andrew W.; Landreth, Gary; Lemmon, Vance [Reprint
author]
CS Dep. Neurosci., Case Western Reserve University, 2109 Adelbert Road,
Cleveland, OH 44106-4975, USA
SO Journal of Neurochemistry, (1996) Vol. 66, No. 2, pp. 779-786.
CODEN: JONRA9. ISSN: 0022-3042.
DT Article
LA English
ED Entered STN: 12 Mar 1996
Last Updated on STN: 10 Jun 1997

L4 ANSWER 29 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1996:29249 BIOSIS
DN PREV199698601384
TI Hamster pulmonary endocrine cells with ***neural*** ***cell***
adhesion ***molecule*** (***NCAM***) immunostaining.
AU Ito, Takaaki [Reprint author]; Nozawa, Akinori; Usuda, Yasuhiro; Kitamura,
Hitoshi; Kanisawa, Masayoshi
CS Dep. Pathol., Yokohama City Univ. Sch. Med., 3-9 Fuku-Ura, Kanazawa-ku,
Yokohama 236, Japan
SO Histochemistry and Cell Biology, (1995) Vol. 104, No. 5, pp. 357-362.
DT Article
LA English
ED Entered STN: 12 Jan 1996
Last Updated on STN: 12 Jan 1996

L4 ANSWER 30 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1996:25537 BIOSIS
 DN PREV199698597672
 TI Alteration of OBCAM conformation as a result of opioid receptor expression and opioid ligand treatment.
 AU Lane, Cynthia M.; Jones, Corey R. N.; Reisine, Terry; Yu, Lei; Lee, Nancy M. [Reprint author]
 CS Dep. Pharmacol., Univ. Minnesota Med. Sch., Minneapolis, MN 55455, USA
 SO Brain Research, (1995) Vol. 698, No. 1-2, pp. 15-22.
 CODEN: BRREAP. ISSN: 0006-8993.
 DT Article
 LA English
 ED Entered STN: 12 Jan 1996
 Last Updated on STN: 12 Jan 1996

L4 ANSWER 31 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1995:552508 BIOSIS
 DN PREV199698566808
 TI Complex-type asparagine-linked oligosaccharides on phosphacan and protein-tyrosine phosphatase-zeta/beta mediate their binding to ***neural*** ***cell*** ***adhesion*** ***molecules*** and tenascin.
 AU Milev, Peter; Meyer-Puttitz, Birgit; Margolis, Renee K.; Margolis, Richard U. [Reprint author]
 CS Dep. Pharmacol., N.Y. Univ. Med. Cent., 550 First Ave., New York, NY 10016, USA
 SO Journal of Biological Chemistry, (1995) Vol. 270, No. 42, pp. 24650-24653.
 CODEN: JBCHA3. ISSN: 0021-9258.
 DT Article
 LA English
 ED Entered STN: 31 Dec 1995
 Last Updated on STN: 28 Feb 1996

L4 ANSWER 32 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1995:537864 BIOSIS
 DN PREV199598552164
 TI Identification of the border between fibronectin type III homologous repeats 2 and 3 of the ***neural*** ***cell*** ***adhesion*** ***molecule*** L1 as a neurite outgrowth promoting and signal transducing domain.
 AU Appel, Frank; Holm, Juergen; Conscience, Jean-Francois; Von Bohlen Und Halbach, Friedrich; Faissner, Andreas; James, Peter; Schachner, Melitta [Reprint author]
 CS Dep. Neurobiol., Swiss Federal Inst. Technol., Honggerberg, 8093 Zurich, Switzerland
 SO Journal of Neurobiology, (1995) Vol. 28, No. 3, pp. 297-312.
 CODEN: JNEUBZ. ISSN: 0022-3034.
 DT Article
 LA English
 ED Entered STN: 14 Dec 1995
 Last Updated on STN: 14 Dec 1995

L4 ANSWER 33 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1995:331293 BIOSIS
 DN PREV199598345593
 TI Identification of a ligand for ***NCAM*** by means of synthetic ***peptide*** libraries.
 AU Bock, Elisabeth; Olsen, Marianne; Rottwitt, Birthe Boldvig; Ostergaard, Soren; Holm, Arne
 CS Protein Lab., Univ. Copenhagen, Copenhagen, Denmark
 SO Journal of Neurochemistry, (1995) Vol. 65, No. SUPPL., pp. S203.
 Meeting Info.: Fifteenth Meeting of the International Society for Neurochemistry. Kyoto, Japan. July 2-7, 1995.
 CODEN: JONRA9. ISSN: 0022-3042.
 DT Conference; (Meeting)
 LA English
 ED Entered STN: 2 Aug 1995
 Last Updated on STN: 2 Aug 1995

L4 ANSWER 34 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1995:270851 BIOSIS
 DN PREV199598285151
 TI Analysis of proteoglycan expression in developing chicken brain: Characterization of a heparan sulfate proteoglycan that interacts with the

AU Burg, M. A.; Halfter, W.; Cole, G. J. [Reprint author]
 CS Neurobiotechnology Cent., Ohio State Univ., 184 Rightmire Hall, 1060
 Carmack Road, Columbus, OH 43210, USA
 SO Journal of Neuroscience Research, (1995) Vol. 41, No. 1, pp. 49-64.
 CODEN: JNREDK. ISSN: 0360-4012.
 DT Article
 LA English
 ED Entered STN: 26 Jun 1995
 Last Updated on STN: 26 Jun 1995

L4 ANSWER 35 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1995:270353 BIOSIS
 DN PREV199598284653
 TI ***Neural*** ***cell*** ***adhesion*** ***molecule***
 (N-CAM) inhibits astrocyte proliferation after injury to different regions
 of the adult rat brain.
 AU Krushel, Leslie A. [Reprint author]; Sporns, Olaf; Cunningham, Bruce A.
 [Reprint author]; Crossin, Kathryn L. [Reprint author]; Edelman, Gerald M.
 [Reprint author]
 CS Dep. Neurobiol., Scripps Res. Inst., 10666 North Torrey Pines Road, La
 Jolla, CA 92037, USA
 SO Proceedings of the National Academy of Sciences of the United States of
 America, (1995) Vol. 92, No. 10, pp. 4323-4327.
 CODEN: PNASA6. ISSN: 0027-8424.
 DT Article
 LA English
 ED Entered STN: 26 Jun 1995
 Last Updated on STN: 26 Jun 1995

L4 ANSWER 36 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1995:263970 BIOSIS
 DN PREV199598278270
 TI Distinct Adhesive Behaviors of Neurons and Neural Precursor Cells during
 Regional Differentiation in the Mammalian Forebrain.
 AU Whitesides, John G. Iii; Lamantia, Anthony-Samuel [Reprint author]
 CS Dep. Neurobiol., Duke Univ. Med. Cent., Durham, NC 27710, USA
 SO Developmental Biology, (1995) Vol. 169, No. 1, pp. 229-241.
 CODEN: DEBIAO. ISSN: 0012-1606.
 DT Article
 LA English
 ED Entered STN: 26 Jun 1995
 Last Updated on STN: 26 Jun 1995

L4 ANSWER 37 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1995:263917 BIOSIS
 DN PREV199598278217
 TI Posterior extension of the chick nephric (Wolffian) duct: The role of
 fibronectin and ***NCAM*** polysialic acid.
 AU Bellairs, Ruth; Lear, Pamela; Yamada, Kenneth M.; Rutishauser, Urs; Lash,
 James W. [Reprint author]
 CS Dep. Cell Developmental Biol., Sch. Med., Univ. Pennsylvania,
 Philadelphia, PA 19104-6058, USA
 SO Developmental Dynamics, (1995) Vol. 202, No. 4, pp. 333-342.
 CODEN: DEDYEI. ISSN: 1058-8388.
 DT Article
 LA English
 ED Entered STN: 26 Jun 1995
 Last Updated on STN: 26 Jun 1995

L4 ANSWER 38 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1995:136083 BIOSIS
 DN PREV199598150383
 TI Pulmonary neuroendocrine cell system: An overview of cell biology and
 pathology with emphasis on pediatric lung disease.
 AU Cutz, Ernest [Reprint author]; Gillan, John E.; Perrin, Donald G.
 CS Dep. Pathol., Hosp. Sick Children, 555 University Ave., Toronto, ON M5G
 1X8, Canada
 SO Askin, F. B. [Editor]; Langston, C. [Editor]; Rosenberg, H. S. [Editor];
 Bernstein, J. [Editor]. Perspectives in Pediatric Pathology, (1995) pp.
 32-70. Perspectives in Pediatric Pathology; Pulmonary disease.
 Publisher: S. Karger AG, P.O. Box, Allschwilerstrasse 10, CH-4009 Basel,
 Switzerland; S. Karger AG, New York, New York, USA. Series: Perspectives
 in Pediatric Pathology.
 ISSN: 0259-2118. ISBN: 3-8055-6049-4.
 DT Book

LA General Review; (Literature Review)
 ED English
 Entered STN: 3 Apr 1995
 Last Updated on STN: 4 Apr 1995

L4 ANSWER 39 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1995:112842 BIOSIS
 DN PREV199598127142
 TI The ***neural*** ***cell*** ***adhesion*** ***molecule***
 (N-CAM) inhibits proliferation in primary cultures of rat astrocytes.
 AU Sporns, Olaf; Edelman, Gerald M.; Crossin, Kathryn L.
 CS Dep. Neurobiol., Scripps Res. Inst., 10666 North Torrey Pines Road, La
 Jolla, CA 92037, USA
 SO Proceedings of the National Academy of Sciences of the United States of
 America, (1995) Vol. 92, No. 2, pp. 542-546.
 CODEN: PNASA6. ISSN: 0027-8424.
 DT Article
 LA English
 ED Entered STN: 13 Mar 1995
 Last Updated on STN: 13 Mar 1995

L4 ANSWER 40 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1995:81807 BIOSIS
 DN PREV199598096107
 TI Hippocampal long-term potentiation and ***neural*** ***cell***
 adhesion ***molecules*** L1 and ***NCAM***
 AU Luthi, Andreas [Reprint author]; Laurent, Jean-Paul [Reprint author];
 CS Figuero, Alexander; Muller, Dominique; Schachner, Melitta
 Pharma Div., Preclinical Res., F. Hoffmann-La Roche Ltd., CH-4002 Basel,
 Switzerland
 SO Nature (London), (1994) Vol. 372, No. 6508, pp. 777-779.
 CODEN: NATUAS. ISSN: 0028-0836.
 DT Article
 LA English
 ED Entered STN: 22 Feb 1995
 Last Updated on STN: 22 Feb 1995

L4 ANSWER 41 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1995:34202 BIOSIS
 DN PREV199598048502
 TI Recombinant polypeptides translated from pUMA vector derived cRNAs are
 translocated through microsomal membranes and exported out of frog
 oocytes.
 AU Dommers, Stefan; Heinlein, Uwe A. O. [Reprint author]
 CS Inst. Genetik, Heinrich-Heine-Univ., D-40225 Duesseldorf, Germany
 SO Biochemical and Biophysical Research Communications, (1994) Vol. 204, No.
 3, pp. 1346-1351.
 CODEN: BBRC9. ISSN: 0006-291X.
 DT Article
 LA English
 ED Entered STN: 25 Jan 1995
 Last Updated on STN: 25 Jan 1995

L4 ANSWER 42 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1995:31865 BIOSIS
 DN PREV199598046165
 TI Mechanism of homophilic binding mediated by the ***neural***
 cell ***adhesion*** ***molecule*** ***NCAM*** :
 Evidence for isologous interaction.
 AU Rao, Yong; Zhao, Xiaoning; Siu, Chi-Hung [Reprint author]
 CS Charles H. Best Inst., University Toronto, 112 College St., Toronto, ON
 M5G 1L6, Canada
 SO Journal of Biological Chemistry, (1994) Vol. 269, No. 44, pp. 27540-27548.
 CODEN: JBCHA3. ISSN: 0021-9258.
 DT Article
 LA English
 ED Entered STN: 25 Jan 1995
 Last Updated on STN: 25 Jan 1995

L4 ANSWER 43 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1995:22894 BIOSIS
 DN PREV199598037194
 TI Tissue-specific expression of ***neural*** ***cell***
 adhesion ***molecule*** (***NCAM***) may allow
 differential diagnosis of neuroblastoma from embryonal rhabdomyosarcoma.

author]
CS Imperial Cancer Res. Fund, Paediatr. Neuro-Oncol. Group, Frenchay Hosp.,
Bristol BS16 1LE, UK
SO European Journal of Cancer, (1994) Vol. 30A, No. 10, pp. 1552-1558.
CODEN: EJCAEL. ISSN: 0959-8049.
DT Article
LA English
ED Entered STN: 11 Jan 1995
Last Updated on STN: 11 Jan 1995

L4 ANSWER 44 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1994:393503 BIOSIS
DN PREV199497406503
TI A novel antigen defined by monoclonal antibody CR101 is associated with
small cell lung carcinoma.
AU Rose, Caroline; Waksal, Harlan; Goldstein, Neil I. [Reprint author]
CS Immunology/Monoclonal Antibodies, ImClone Systems Inc., 180 Varick Street,
New York, NY 10014, USA
SO Hybridoma, (1994) Vol. 13, No. 3, pp. 221-227.
CODEN: HYBRDY. ISSN: 0272-457X.
DT Article
LA English
ED Entered STN: 14 Sep 1994
Last Updated on STN: 14 Sep 1994

L4 ANSWER 45 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1994:304615 BIOSIS
DN PREV199497317615
TI The homophilic binding site of the ***neural*** ***cell***
adhesion ***molecule*** ***NCAM*** is directly involved :
promoting neurite outgrowth from cultured neural retinal cells.
AU Sandig, Martin; Rao, Yong; Siu, Chi-Hung [Reprint author]
CS Charles H. Best Inst., Univ. Toronto, 112 College St., Toronto, ON M5G
1L6, Canada
SO Journal of Biological Chemistry, (1994) Vol. 269, No. 20, pp. 14841-14848.
CODEN: JBCHA3. ISSN: 0021-9258.
DT Article
LA English
ED Entered STN: 13 Jul 1994
Last Updated on STN: 13 Jul 1994

L4 ANSWER 46 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1994:275012 BIOSIS
DN PREV199497288012
TI A brain synaptosomal adenylyl cyclase of high specific activity is
photolabeled with azido-ATP.
AU Castets, Francis; Baillat, Gilbert; Mirzoeva, Salida; Mabrouk, Kamel;
Garin, Jerome; D'Alayer, Jacques; Monneron, Ariane [Reprint author]
CS Dep. des Proteines de la Transduction, LCB, CNRS 21, Chemin Joseph
Aiguier, 13402 Marseille Cedex 20, France
SO Biochemistry, (1994) Vol. 33, No. 17, pp. 5063-5069.
CODEN: BICHAW. ISSN: 0006-2960.
DT Article
LA English
ED Entered STN: 24 Jun 1994
Last Updated on STN: 24 Aug 1994

L4 ANSWER 47 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1994:258663 BIOSIS
DN PREV199497271663
TI Expression of ***NCAM*** containing VASE in neurons can account for a
developmental loss in their neurite outgrowth response to ***NCAM***
in a cellular substratum.
AU Saffell, Jane L.; Walsh, Frank S.; Doherty, Patrick
CS Dep. Experimental Pathol., UMDS, Guy's Hosp., London Bridge, London SE1
9RT, UK
SO Journal of Cell Biology, (1994) Vol. 125, No. 2, pp. 427-436.
CODEN: JCLBA3. ISSN: 0021-9525.
DT Article
LA English
ED Entered STN: 8 Jun 1994
Last Updated on STN: 8 Jun 1994

L4 ANSWER 48 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1994:229723 BIOSIS

- TI Phosphacan, a chondroitin sulfate proteoglycan of brain that interacts with neurons and ***neural*** ***cell*** - ***adhesion*** ***molecules***, is an extracellular variant of a receptor-type protein tyrosine phosphatase.
- AU Maurel, Patrice [Reprint author]; Rauch, Uwe [Reprint author]; Flad, Manuela; Margolis, Renee K.; Margolis, Richard U.
- CS Dep. Pharmacology, New York Univ. Med. Center, New York, NY 10016, USA
- SO Proceedings of the National Academy of Sciences of the United States of America, (1994) Vol. 91, No. 7, pp. 2512-2516.
CODEN: PNASA6. ISSN: 0027-8424.
- DT Article
- LA English
- ED Entered STN: 24 May 1994
Last Updated on STN: 25 May 1994
- L4 ANSWER 49 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
- AN 1993:503025 BIOSIS
- DN PREV199396127032
- TI Structural characterization of a homophilic binding site in the ***neural*** ***cell*** ***adhesion*** ***molecule***.
- AU Rao, Yong [Reprint author]; Wu, Xiang-Fu; Yip, Patrick; Gariepy, Jean; Siu, Chi-Hung [Reprint author]
- CS Banting and Best Dep. Med. Res., Univ. Toronto, Toronto, ON M5G 1L6, Canada
- SO Journal of Biological Chemistry, (1993) Vol. 268, No. 27, pp. 20630-20638.
CODEN: JBCHA3. ISSN: 0021-9258.
- DT Article
- LA English
- ED Entered STN: 5 Nov 1993
Last Updated on STN: 5 Nov 1993
- L4 ANSWER 50 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
- AN 1993:495751 BIOSIS
- DN PREV199396119758
- TI Comparison of antiparallel and parallel two-stranded alpha-helical coiled-coils: Design, synthesis, and characterization.
- AU Monera, Oscar D.; Zhou, Nian E.; Kay, Cyril M.; Hodges, Robert S. [Reprint author]
- CS Dep. Biochem. Protein Eng., Network Centers Excellence, Univ. Alberta, Edmonton, Alberta T6G 2H7, Canada
- SO Journal of Biological Chemistry, (1993) Vol. 268, No. 26, pp. 19218-19227.
CODEN: JBCHA3. ISSN: 0021-9258.
- DT Article
- LA English
- ED Entered STN: 5 Nov 1993
Last Updated on STN: 5 Nov 1993
- L4 ANSWER 51 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
- AN 1993:469776 BIOSIS
- DN PREV199345092901
- TI Plastic neuronal changes in Alzheimer's disease associated with activation of astrocytes and enhanced neurotrophic activity.
- AU Jorgensen, O. S. [Reprint author]; Balazs, R.
- CS Lab. Neuropsychiatry, Univ. Copenhagen, Rigshospitalet-6102, DK-2100 Copenhagen, Denmark
- SO Journal of Neurochemistry, (1993) Vol. 61, No. SUPPL., pp. S70.
Meeting Info.: Fourteenth Meeting of the International Society for Neurochemistry. Montpellier, France. August 22-27, 1993.
CODEN: JONRA9. ISSN: 0022-3042.
- DT Conference; (Meeting)
- LA English
- ED Entered STN: 11 Oct 1993
Last Updated on STN: 30 Nov 1993
- L4 ANSWER 52 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
- AN 1993:434699 BIOSIS
- DN PREV199396089324
- TI Endocrine cells in colorectal adenocarcinomas: Incidence, hormone profile and prognostic relevance.
- AU De Bruine, A. P. [Reprint author]; Wiggers, T.; Beek, C.; Volovics, A.; Von Meyenfeldt, M.; Arends, J. W.; Bosman, F. T.
- CS Dep. Pathol., Univ. Hosp. Maastricht, P.O. Box 5800, 6202 AZ Maastricht, Netherlands Antilles
- SO International Journal of Cancer, (1993) Vol. 54, No. 5, pp. 765-771.
CODEN: IJCNAW. ISSN: 0020-7136.

LA English
 ED Entered STN: 22 Sep 1993
 Last Updated on STN: 3 Jan 1995

L4 ANSWER 53 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1993:430284 BIOSIS
 DN PREV199396084909
 TI Homophilic adhesion between Ig superfamily carcinoembryonic antigen molecules involves double reciprocal bonds.
 AU Zhou, Hua; Fuks, Abraham; Alcaraz, Gisele; Bolling, Timothy J.; Stanners, Clifford P. [Reprint author]
 CS McGill Cancer Centre, 3655 Drummond St., Montreal, PQ H3G 1Y6, Canada
 SO Journal of Cell Biology, (1993) Vol. 122, No. 4, pp. 951-960.
 CODEN: JCLBA3. ISSN: 0021-9525.
 DT Article
 LA English
 ED Entered STN: 22 Sep 1993
 Last Updated on STN: 22 Sep 1993

L4 ANSWER 54 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1993:412848 BIOSIS
 DN PREV199396078573
 TI The fourth immunoglobulin-like domain of ***NCAM*** contains a carbohydrate recognition domain for oligomannosidic glycans implicated in association with L1 and neurite outgrowth.
 AU Horstkorte, Ruediger; Schachner, Melitta; Magyar, Josef Petr; Vorherr, Thomas; Schmitz, Brigitte [Reprint author]
 CS Inst. Anatomy, Physiol. Hygiene Domestic Animals, Univ. Bonn, Katzenburgweg 7-9, 5300 Bonn, Germany
 SO Journal of Cell Biology, (1993) Vol. 121, No. 6, pp. 1409-1421.
 CODEN: JCLBA3. ISSN: 0021-9525.
 DT Article
 LA English
 ED Entered STN: 8 Sep 1993
 Last Updated on STN: 9 Sep 1993

L4 ANSWER 55 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1993:396091 BIOSIS
 DN PREV199396071391
 TI Complete nucleotide sequence of the bacteriophage K1F tail gene encoding endo-N-acetylneuraminidase (endo-N) and comparison to an endo-N homolog in bacteriophage PK1E.
 AU Petter, Jean G.; Vimr, Eric R. [Reprint author]
 CS Dep. Vet. Pathobiol., Univ. Ill. Urbana-Champaign, IL 61801, USA
 SO Journal of Bacteriology, (1993) Vol. 175, No. 14, pp. 4354-4363.
 CODEN: JOBAAY. ISSN: 0021-9193.
 DT Article
 LA English
 OS Genbank-M63657
 ED Entered STN: 23 Aug 1993
 Last Updated on STN: 28 Sep 1993

L4 ANSWER 56 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1993:346027 BIOSIS
 DN PREV199396043027
 TI Axon growth is enhanced by ***NCAM*** lacking the VASE exon when expressed in either the growth substrate or the growing axon.
 AU Liu, L.; Haines, S. [Reprint author]; Shew, R.; Akesson, R. A.
 CS Div. Basic Res., Children's Hosp. Res. Foundation, Elland and Bethesda Avenues, Cincinnati, OH 45229-2899, USA
 SO Journal of Neuroscience Research, (1993) Vol. 35, No. 3, pp. 327-345.
 CODEN: JNREDK. ISSN: 0360-4012.
 DT Article
 LA English
 ED Entered STN: 26 Jul 1993
 Last Updated on STN: 26 Jul 1993

L4 ANSWER 57 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1993:345037 BIOSIS
 DN PREV199396042037
 TI Comparison of immunoreactivity between two different monoclonal antibodies recognizing ***peptide*** and polysialic acid chain epitopes on the ***neural*** ***cell*** ***adhesion*** ***molecule*** in normal tissues and lung tumors.
 AU Tome, Yoshiya [Reprint author]; Hirohashi, Setsuo; Noguchi, Masayuki;

CS Clin. Lab. Div., Natl. Cancer Cent. Hosp., 5-1-1 Tsukiji, Chuo-ku, Tokyo
104, Japan

SO Acta Pathologica Japonica, (1993) Vol. 43, No. 4, pp. 168-175.
CODEN: APJAAG. ISSN: 0001-6632.

DT Article

LA English

ED Entered STN: 26 Jul 1993
Last Updated on STN: 26 Jul 1993

L4 ANSWER 58 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1993:321787 BIOSIS

DN PREV199396030137

TI Transitional expression of ***neural*** ***cell***
adhesion ***molecule*** isoforms during chicken embryonic
myogenesis.

AU Yoshimi, Tatsuya; Mimura, Naotoshi; Aimoto, Saburo; Asano, Akira

CS Dep. Physiology, Inst. Protein Res., Osaka Univ., Yamadaoka 3-2, Suita,
Osaka 565, Japan

SO Cell Structure and Function, (1993) Vol. 18, No. 1, pp. 1-11.
CODEN: CSFUDY. ISSN: 0386-7196.

DT Article

LA English

ED Entered STN: 12 Jul 1993
Last Updated on STN: 12 Jul 1993

L4 ANSWER 59 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1993:283697 BIOSIS

DN PREV199345001822

TI The biology of lung cancer.

AU Richardson, Gary E. [Reprint author]; Johnson, Bruce E.

CS Natl. Cancer Inst., Navy Med. Oncol. Branch, Natl. Naval Med. Cent., Bldg
8, Room 5105, Bethesda, MD 20889-5105, USA

SO Seminars in Oncology, (1993) Vol. 20, No. 2, pp. 105-127.
CODEN: SOLGAV. ISSN: 0093-7754.

DT Article

LA General Review; (Literature Review)

ED Entered STN: 17 Jun 1993
Last Updated on STN: 3 Jan 1995

L4 ANSWER 60 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1993:280608 BIOSIS

DN PREV199396010833

TI The Leydig cell of the human testis: A new member of the diffuse
neuroendocrine system.

AU Davidoff, M. S.; Schulze, W.; Middendorff, R.; Holstein, A.-F. [Reprint
author]

CS Anatomisches Inst., Universitaets-Krankenhaus Eppendorf, Martinstrasse 52,
W-2000 Hamburg 20, Germany

SO Cell and Tissue Research, (1993) Vol. 271, No. 3, pp. 429-439.
CODEN: CTSRCS. ISSN: 0302-766X.

DT Article

LA English

ED Entered STN: 9 Jun 1993
Last Updated on STN: 8 Aug 1993

L4 ANSWER 61 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1993:272214 BIOSIS

DN PREV199396002439

TI A functional role for the middle extracellular region of the
neural ***cell*** ***adhesion*** ***molecule*** (

LA ***NCAM***) in axonal fasciculation and orientation.

AU Pollerberg, G. Elisabeth [Reprint author]; Beck-Sickinger, Annette

CS Max-Planck Inst. Developmental Biol., Dep. Biochem., Spemannstr. 35/II,
D-7400 Tuebingen, Germany

SO Developmental Biology, (1993) Vol. 156, No. 2, pp. 324-340.
CODEN: DEBIAO. ISSN: 0012-1606.

DT Article

LA English

ED Entered STN: 9 Jun 1993
Last Updated on STN: 9 Jun 1993

L4 ANSWER 62 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1993:210124 BIOSIS

DN PREV199395111349

cultures.

AU Lyles, J. M. [Reprint author]; Amin, W.; Bock, E.; Weill, C. L.
CS Dep. Neurol., LSU Med. Cent., 1542 Tulane Avenue, New Orleans, LA 70112, USA
SO Journal of Neuroscience Research, (1993) Vol. 34, No. 3, pp. 273-286.
CODEN: JNREDK. ISSN: 0360-4012.
DT Article
LA English
ED Entered STN: 23 Apr 1993
Last Updated on STN: 24 Apr 1993

L4 ANSWER 63 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1993:188594 BIOSIS
DN PREV199395099044
TI Pulmonary blastoma: Comparison between its epithelial components and fetal bronchial epithelium.
AU Inoue, Hayato [Reprint author]; Kasai, Kiyoshi; Shinada, Jun; Yoshimura, Hirokuni; Kameya, Toru
CS Dep. Pathol., Kitasato Univ. Sch. Med., Kitasato 1-15-1, Sagamihara, Kanagawa 228, Japan
SO Acta Pathologica Japonica, (1992) Vol. 42, No. 12, pp. 884-892.
CODEN: APJAAG. ISSN: 0001-6632.
DT Article
LA English
ED Entered STN: 9 Apr 1993
Last Updated on STN: 10 Apr 1993

L4 ANSWER 64 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1993:138526 BIOSIS
DN PREV199395071326
TI N-Cadherin and N-CAM in myoblast fusion: Compared localisation and effect of blockade by ***peptides*** and antibodies.
AU Mege, R. M.; Goudou, D.; Diaz, C.; Nicolet, M.; Garcia, L.; Geraud, G.; Rieger, F.
CS INSERM U. 153, 17 Rue du Fer a Moulin, 75005 Paris, France
SO Journal of Cell Science, (1992) Vol. 103, No. 4, pp. 897-906.
CODEN: JNCSAI. ISSN: 0021-9533.
DT Article
LA English
ED Entered STN: 16 Mar 1993
Last Updated on STN: 16 Mar 1993

L4 ANSWER 65 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1993:98167 BIOSIS
DN PREV199395053363
TI The ***neural*** ***cell*** ***adhesion*** ***molecule*** (***NCAM***) heparin binding domain binds to cell surface heparan sulfate proteoglycans.
AU Kallapur, S. G.; Akeson, R. A. [Reprint author]
CS Div. Basic Sci. Res., Children's Hosp. Res. Foundation, Elland and Bethesda Ave., Cincinnati, Ohio 45229-2899, USA
SO Journal of Neuroscience Research, (1992) Vol. 33, No. 4, pp. 538-548.
CODEN: JNREDK. ISSN: 0360-4012.
DT Article
LA English
ED Entered STN: 9 Feb 1993
Last Updated on STN: 17 Apr 1993

L4 ANSWER 66 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1993:38545 BIOSIS
DN PREV199344015395
TI Identification of a ***peptide*** sequence involved in homophilic binding in the ***neural*** ***cell*** ***adhesion*** ***molecule*** ***NCAM***.
AU Rao, Y. [Reprint author]; Wu, X. F. [Reprint author]; Gariepy, J.; Rutishauser, Urs; Siu, C.-H. [Reprint author]
CS Banting and Best Dep. of Med. Res., Univ. Toronto, Toronto, Ontario, Canada
SO Molecular Biology of the Cell, (1992) Vol. 3, No. SUPPL., pp. 216A. Meeting Info.: Thirty-second Annual Meeting of the American Society for Cell Biology, Denver, Colorado, USA, November 15-19, 1992. MOL BIOL CELL. CODEN: MBCEEV. ISSN: 1059-1524.
DT Conference; (Meeting)
LA English
ED Entered STN: 4 Jan 1993

L4 ANSWER 67 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1993:33843 BIOSIS
 DN PREV199395022043
 TI Production and secretion in CHO cells of the extracellular domain of
 AU AMOG/beta-2, a type-II membrane protein.
 Gloor, Sergio [Reprint author]; Nasse, Kira; Essen, Lars Oliver; Appel,
 Frank
 CS Neurobiology Honggerberg, Swiss Federal Inst. Technology, CH-8093 Zurich,
 Switzerland
 SO Gene (Amsterdam), (1992) Vol. 120, No. 2, pp. 307-312.
 CODEN: GENED6. ISSN: 0378-1119.
 DT Article
 LA English
 ED Entered STN: 23 Dec 1992
 Last Updated on STN: 23 Dec 1992

L4 ANSWER 68 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:522377 BIOSIS
 DN PREV199294130452; BA94:130452
 TI LEYDIG CELLS EXPRESS ***NEURAL*** ***CELL*** ***ADHESION***
 MOLECULES IN-VIVO AND IN-VITRO.
 AU MAYERHOFER A [Reprint author]; SEIDL K; LAHR G; BITTER-SUERMAN D;
 CHRISTOPH A; BARTHELS D; WILLE W; GRATZL M
 CS ABTEILUNG ANATOMIE ZELLBIOLOGIE, UNIVERSITAET ULM, ALBERT-EINSTEIN-ALLEE
 11, POSTFACH 4066, D-7900 ULM, GER
 SO Biology of Reproduction, (1992) Vol. 47, No. 4, pp. 656-664.
 CODEN: BIREBV. ISSN: 0006-3363.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 19 Nov 1992
 Last Updated on STN: 19 Nov 1992

L4 ANSWER 69 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:456881 BIOSIS
 DN PREV199294098281; BA94:98281
 TI A CONTINUOUS CELL LINE KK-2 FROM A SUPRATENTORIAL PRIMITIVE
 NEUROECTODERMAL TUMOR.
 AU ITO H [Reprint author]; KAMEYA T; SUWA T; WADA C; KAWANO N
 CS DEP PATHOL, KITASATO UNIV SCH MED, SAGAMIHARA, KANAGAWA 228, JAPAN
 SO Acta Neuropathologica, (1992) Vol. 84, No. 1, pp. 52-58.
 CODEN: ANPTAL. ISSN: 0001-6322.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 7 Oct 1992
 Last Updated on STN: 8 Oct 1992

L4 ANSWER 70 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:452306 BIOSIS
 DN PREV199294093706; BA94:93706
 TI IDENTIFICATION OF A ***PEPTIDE*** SEQUENCE INVOLVED IN HOMOPHILIC
 BINDING IN THE ***NEURAL*** ***CELL*** ***ADHESION***
 MOLECULE ***NCAM***
 AU RAO Y [Reprint author]; WU X-F; GARIEPY J; RUTISHAUSER U; SIU C-H
 CS BANTING BEST DEP MED RES, UNIV TORONTO, TORONTO, ONTARIO M5G 1L6, CAN
 SO Journal of Cell Biology, (1992) Vol. 118, No. 4, pp. 937-949.
 CODEN: JCLBA3. ISSN: 0021-9525.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 7 Oct 1992
 Last Updated on STN: 7 Oct 1992

L4 ANSWER 71 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:371776 BIOSIS
 DN PREV199294053826; BA94:53826
 TI RELATIONSHIP OF ***NEURAL*** ***CELL*** ***ADHESION***
 MOLECULES N-CAMS WITH ADENYLATE CYCLASE.
 AU LIPKIN V M [Reprint author]; SURINA E A; PETUKHOVA G V; PETROV V M;
 MIRZOEVA S F; RAKITINA T V
 CS SHEMYAKIN INST BIOORG CHEM, RUSS ACAD SCI, UL MIKLUKHO-MAKLAYA 16/10,
 117871 GSP MOSCOW V-437, RUSSIA
 SO Febs Letters, (1992) Vol. 304, No. 1, pp. 9-11.

DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 9 Aug 1992
 Last Updated on STN: 9 Aug 1992

L4 ANSWER 72 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:371664 BIOSIS
 DN PREV199294053714; BA94:53714
 TI ANALYSIS OF PROMOTER ACTIVITY AND 5' GENOMIC STRUCTURE OF THE
 NEURAL ***CELL*** ***ADHESION*** ***MOLECULE*** L1.
 AU KOHL A [Reprint author]; GIESE K P; MOHAJERI M H; MONTAG D; MOOS M;
 CS SCHACHNER M
 DEP NEUROBIOLOGY, SWISS FEDERAL INST TECHNOLOGY, HOENGERBERG, CH-8093
 ZURICH, SWITZERLAND
 SO Journal of Neuroscience Research, (1992) Vol. 32, No. 2, pp. 167-177.
 CODEN: JNREDK. ISSN: 0360-4012.

DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 9 Aug 1992
 Last Updated on STN: 9 Aug 1992

L4 ANSWER 73 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:276240 BIOSIS
 DN PREV199294000890; BA94:890
 TI PRIMARY STRUCTURE OF THE HUMAN HEPARAN SULFATE PROTEOGLYCAN FROM BASEMENT
 MEMBRANE HSPG2-PERLECAN A CHIMERIC MOLECULE WITH MULTIPLE DOMAINS
 HOMOLOGOUS TO THE LOW DENSITY LIPOPROTEIN RECEPTOR LAMININ ***NEURAL***
 CELL ***ADHESION*** ***MOLECULES*** AND EPIDERMAL GROWTH
 FACTOR.
 AU MURDOCH A D [Reprint author]; DODGE G R; COHEN I; TUAN R S; IOZZO R V
 CS DEP PATHOLOGY CELL BIOLOGY, ROOM 249, JEFFERSON ALUMNI HALL, THOMAS
 JEFFERSON UNIVERSITY, 1020 LOCUST ST, PHILADELPHIA, PA 19107, USA
 SO Journal of Biological Chemistry, (1992) Vol. 267, No. 12, pp. 8544-8557.
 CODEN: JBCHA3. ISSN: 0021-9258.

DT Article
 FS BA
 LA ENGLISH
 OS GENBANK-M85289
 ED Entered STN: 10 Jun 1992
 Last Updated on STN: 9 Aug 1992

L4 ANSWER 74 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:257640 BIOSIS
 DN PREV199293133965; BA93:133965
 TI HIGH DEGREE OF ***NCAM*** DIVERSITY GENERATED BY ALTERNATIVE RNA
 SPLICING IN BRAIN AND MUSCLE.
 AU BARTHELS D [Reprint author]; VOPPER G; BONED A; CREMER H; WILLE W
 CS INST GENETIK, UNIV KOELN, ZUELPICHER STR 47, D-5000 KOELN 1, GER
 SO European Journal of Neuroscience, (1992) Vol. 4, No. 4, pp. 327-337.
 ISSN: 0953-816X.

DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 23 May 1992
 Last Updated on STN: 23 May 1992

L4 ANSWER 75 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:247816 BIOSIS
 DN PREV199242118116; BR42:118116
 TI EXPRESSION PATTERN OF SEVERAL ***NEURAL*** ***CELL***
 ADHESION ***MOLECULES*** N-CAM DETECTED WITH ANTI-
 PEPTIDE ANTIBODIES DURING DIFFERENTIATION OF CHICK EMBRYONIC THIC
 MUSCLE.
 AU YOSHIMI T [Reprint author]; MIMURA N; ASANO A
 CS INST PROTEIN RES, OSAKA UNIV, YAMADAOKA 3-2, SUITA, OSAKA 565
 SO Cell Structure and Function, (1991) Vol. 16, No. 6, pp. 608.
 Meeting Info.: FORTY-FOURTH ANNUAL MEETING OF THE JAPAN SOCIETY FOR CELL
 BIOLOGY, FUKUOKA, JAPAN, NOVEMBER 21-23, 1991. CELL STRUCT FUNCT.
 CODEN: CSFUDY. ISSN: 0386-7196.

DT Conference; (Meeting)
 FS BR
 LA ENGLISH
 ED Entered STN: 14 May 1992

L4 ANSWER 76 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:140281 BIOSIS
 DN PREV199293074506; BA93:74506
 TI HUMAN BASEMENT MEMBRANE HEPARAN SULFATE PROTEOGLYCAN CORE PROTEIN A 467-KD
 PROTEIN CONTAINING MULTIPLE DOMAINS RESEMBLING ELEMENTS OF THE LOW DENSITY
 LIPOPROTEIN RECEPTOR LAMININ ***NEURAL*** ***CELL***
 ADHESION ***MOLECULES*** AND EPIDERMAL GROWTH FACTOR.
 AU KALLUNKI P [Reprint author]; TRYGGVASON K
 CS BIOCENTER, UNIV OULU, SF-90570 OULU, FINLAND
 SO Journal of Cell Biology, (1992) Vol. 116, No. 2, pp. 559-571.
 CODEN: JCLBA3. ISSN: 0021-9525.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 12 Mar 1992
 Last Updated on STN: 13 Mar 1992

L4 ANSWER 77 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:93806 BIOSIS
 DN PREV199293050356; BA93:50356
 TI ***NEURAL*** ***CELL*** ***ADHESION*** ***MOLECULE***
 MEDIATES CONTACT-DEPENDENT INHIBITION OF GROWTH OF NEAR-DIPLOID MOUSE
 FIBROBLAST CELL LINE M5S-1M.
 AU AOKI J [Reprint author]; UMEDA M; TAKIO K; TITANI K; UTSUMI H; SASAKI M;
 INOUE K
 CS DEP HEALTH CHEM, FAC PHARMACEUTICAL SCI, UNIV TOKYO, 7-3-1 HONGO,
 BUNKYO-KU, TOKYO 113, JPN
 SO Journal of Cell Biology, (1991) Vol. 115, No. 6, pp. 1751-1762.
 CODEN: JCLBA3. ISSN: 0021-9525.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 12 Feb 1992
 Last Updated on STN: 12 Feb 1992

L4 ANSWER 78 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:68515 BIOSIS
 DN PREV199293036970; BA93:36970
 TI THE COMPLETE SEQUENCE OF PERLECAN A BASEMENT MEMBRANE HEPARAN SULFATE
 PROTEOGLYCAN REVEALS EXTENSIVE SIMILARITY WITH LAMININ A CHAIN LOW DENSITY
 LIPOPROTEIN-RECEPTOR AND THE ***NEURAL*** ***CELL***
 ADHESION ***MOLECULE***
 AU NOONAN D M [Reprint author]; FULLE A; VALENTE P; CAI S; HORIGAN E; SASAKI
 M; YAMADA Y; HASSELL J R
 CS IST NAZIONALE PER LA RICERCA SUL CANCRO, GENOVA, ITALY 16132
 SO Journal of Biological Chemistry, (1991) Vol. 266, No. 34, pp. 22939-22947.
 CODEN: JBCHA3. ISSN: 0021-9258.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 2 Feb 1992
 Last Updated on STN: 2 Feb 1992

L4 ANSWER 79 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:48262 BIOSIS
 DN PREV199293028237; BA93:28237
 TI ALPHA-2 8 POLYSIALIC ACID IS THE NEURONAL SURFACE RECEPTOR OF ANTENNAPEDIA
 HOMEOBOX ***PEPTIDE***
 AU JOLIOT A H [Reprint author]; TRILLER A; VOLOVITCH M; PERNELLE C;
 PROCHIANTZ A
 CS CNRS URA 1414, ECOLE NORMALE SUPERIEURE, 46 RUE D'ULM, 75230 PARIS CEDEX
 05, FRANCE
 SO New Biologist, (1991) Vol. 3, No. 11, pp. 1121-1134.
 CODEN: NEBIE2. ISSN: 1043-4674.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 13 Jan 1992
 Last Updated on STN: 13 Jan 1992

L4 ANSWER 80 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1992:29650 BIOSIS
 DN PREV199293018925; BA93:18925
 TI IMMUNOCYTOLOGIC DIAGNOSIS OF SMALL-CELL LUNG CANCER IN IMPRINT SMEARS.

Y; SHIMOSATO Y
CS PATHOLOGY SECTION, CLINICAL LAB DIV, NATIONAL CANCER CENT HOSP,
1-1-5-CHOME, TSUKIJI, CHOU-KU, TOKYO 104, JPN
SO Acta Cytologica, (1991) Vol. 35, No. 5, pp. 485-490.
CODEN: ACYTAN. ISSN: 0001-5547.
DT Article
FS BA
LA ENGLISH
ED Entered STN: 6 Jan 1992
Last Updated on STN: 6 Jan 1992

L4 ANSWER 81 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1992:8024 BIOSIS
DN PREV199293008024; BA93:8024
TI MIGRATION OF LHRH-IMMUNOREACTIVE NEURONS FROM THE OLFACTORY PLACODE
RATIONALIZES OLFACTO-HORMONAL RELATIONSHIPS.
AU SCHWANZEL-FUKUDA M [Reprint author]; PFAFF D W
CS LAB NEUROBIOL AND BEHAVIOR, ROCKEFELLER UINV, 1230 YORK AVE, NEW YORK, NY
10021, USA
SO Journal of Steroid Biochemistry and Molecular Biology, (1991) Vol. 39, No.
4B, pp. 565-572.
CODEN: JSBBEZ. ISSN: 0960-0760.
DT Article
FS BA
LA ENGLISH
ED Entered STN: 10 Dec 1991
Last Updated on STN: 6 Mar 1992

L4 ANSWER 82 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1991:411856 BIOSIS
DN PREV199192078821; BA92:78821
TI DIFFERENTIATION AND SURVIVAL OF RAT OLFACTORY EPITHELIAL NEURONS IN
DISSOCIATED CELL CULTURE.
AU CHUAH M I [Reprint author]; DAVID S; BLASCHUK O
CS DIV NEUROL, MONTREAL GEN HOSP, 1650 CEDAR AVE, MONTREAL, QUE, CANADA H3G
1A4
SO Developmental Brain Research, (1991) Vol. 60, No. 2, pp. 123-132.
CODEN: DBRRDB. ISSN: 0165-3806.
DT Article
FS BA
LA ENGLISH
ED Entered STN: 11 Sep 1991
Last Updated on STN: 11 Sep 1991

L4 ANSWER 83 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1991:24337 BIOSIS
DN PREV199191013688; BA91:13688
TI STRUCTURAL REQUIREMENTS FOR ***NEURAL*** ***CELL***
ADHESION ***MOLECULE*** HEPARIN INTERACTION.
AU REYES A A [Reprint author]; AKESON R; BREZINA L; COLE G J
CS DIVISION BASIC RESEARCH, CHILDREN'S HOSPITAL RESEARCH FOUNDATION,
CINCINNATI, OHIO 54229, USA
SO Cell Regulation, (1990) Vol. 1, No. 8, pp. 567-576.
CODEN: CELREQ. ISSN: 1044-2030.
DT Article
FS BA
LA ENGLISH
ED Entered STN: 3 Jan 1991
Last Updated on STN: 3 Jan 1991

L4 ANSWER 84 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1990:135177 BIOSIS
DN PREV199089073988; BA89:73988
TI BINDING PROPERTIES OF LIPOSOMES CONTAINING THE MYELIN-ASSOCIATED
GLYCOPROTEIN MAG TO NEURAL CELL CULTURES.
AU SADOUL R [Reprint author]; FAHRIG T; BARTSCH U; SHACHNER M
CS DEP NEUROBIOL, UNIV HEIDELBERG, IM NEUENHEIMER FELD 364, 69 HEIDELBERG,
FRG
SO Journal of Neuroscience Research, (1990) Vol. 25, No. 1, pp. 1-13.
CODEN: JNREDK. ISSN: 0360-4012.
DT Article
FS BA
LA ENGLISH
ED Entered STN: 13 Mar 1990
Last Updated on STN: 13 Mar 1990

L4 ANSWER 85 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1990:88968 BIOSIS
 DN PREV199089048319; BA89:48319
 TI MUC18 A MARKER OF TUMOR PROGRESSION IN HUMAN MELANOMA SHOWS SEQUENCE
 SIMILARITY TO THE ***NEURAL*** ***CELL*** ***ADHESION***
 MOLECULES OF THE IMMUNOGLOBULIN SUPERFAMILY.
 AU LEHMANN J M [Reprint author]; RIETHMUELLER G; JOHNSON J P
 CS INST IMMUNOL, UNIV MUNICH, GOETHESTRASSE 31, D-8000 MUNICH 2, FRG
 SO Proceedings of the National Academy of Sciences of the United States of
 America, (1989) Vol. 86, No. 24, pp. 9891-9895.
 CODEN: PNASA6. ISSN: 0027-8424.
 DT Article
 FS BA
 LA ENGLISH
 OS GENBANK-M28882
 ED Entered STN: 9 Feb 1990
 Last Updated on STN: 9 Feb 1990

L4 ANSWER 86 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1989:381667 BIOSIS
 DN PREV198988062257; BA88:62257
 TI IDENTITY OF LEU-19 CD56 LEUKOCYTE DIFFERENTIATION ANTIGEN AND
 NEURAL ***CELL*** ***ADHESION*** ***MOLECULE***
 AU LANIER L L [Reprint author]; TESTI R; BINDL J; PHILLIPS J H
 CS BECTON DICKINSON MONOCLONAL CENT INC, MOUNTAIN VIEW, CALIF 94043, USA
 SO Journal of Experimental Medicine, (1989) Vol. 169, No. 6, pp. 2233-2238.
 CODEN: JEMEAV. ISSN: 0022-1007.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 17 Aug 1989
 Last Updated on STN: 17 Aug 1989

L4 ANSWER 87 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1989:244687 BIOSIS
 DN PREV198987125752; BA87:125752
 TI ALTERNATIVE SPLICING OF THE ***NEURAL*** ***CELL***
 ADHESION ***MOLECULE*** GENE GENERATES VARIANT EXTRACELLULAR
 DOMAIN STRUCTURE IN SKELETAL MUSCLE AND BRAIN.
 AU THOMPSON J [Reprint author]; DICKSON G; MOORE S E; GOWER H J; PUTT W;
 KENIMER J G; BARTON C H; WALSH F S
 CS INST NEUROL, LONDON WC1N 3BG, UK
 SO Genes and Development, (1989) Vol. 3, No. 3, pp. 348-357.
 CODEN: GEDEEP. ISSN: 0890-9369.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 20 May 1989
 Last Updated on STN: 20 May 1989

L4 ANSWER 88 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1989:179403 BIOSIS
 DN PREV198987090669; BA87:90669
 TI TOPOLOGY OF CELL ADHESION MOLECULES.
 AU BECKER J W [Reprint author]; ERICKSON H P; HOFFMAN S; CUNNINGHAM B A;
 EDELMAN G M
 CS ROCKEFELLER UNIV, 1230 YORK AVE, NEW YORK, NY 10021, USA
 SO Proceedings of the National Academy of Sciences of the United States of
 America, (1989) Vol. 86, No. 3, pp. 1088-1092.
 CODEN: PNASA6. ISSN: 0027-8424.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 9 Apr 1989
 Last Updated on STN: 9 Apr 1989

L4 ANSWER 89 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1989:50476 BIOSIS
 DN PREV198987026476; BA87:26476
 TI IDENTIFICATION OF COMPLEMENTARY DNA CLONES ENCODING DIFFERENT DOMAINS OF
 THE BASEMENT MEMBRANE HEPARAN SULFATE PROTEOGLYCAN.
 AU NOONAN D M [Reprint author]; HORIZAN E A; LEDBETTER S R; VOGELI G; SASAKI
 M; YAMADA Y; HASSELL J R
 CS INST NAZL RICERA CANCRO, VIALE BENDETTO XV, 10, 16132 GENOVA, ITALY
 SO Journal of Biological Chemistry, (1988) Vol. 263, No. 31, pp. 16379-16387.

DT Article
 FS BA
 LA ENGLISH
 OS GENBANK-J04054; GENBANK-J04055
 ED Entered STN: 7 Jan 1989
 Last Updated on STN: 7 Jan 1989

L4 ANSWER 90 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1988:31149 BIOSIS
 DN PREV198885018874; BA85:18874
 TI BIOCHEMICAL CHARACTERIZATION OF POLYPEPTIDE COMPONENTS INVOLVED IN NEURITE
 FASCICULATION AND ELONGATION.
 AU WOLFF J M [Reprint author]; RATHJEN F G; FRANK R; ROTH S
 CS MAX-PLANCK-INST FUER ENTWICKLUNGSBIOLOGIE, SPEEMANSTRASSE 35/IV, D-7400
 TUEBINGEN, FEDERAL REPUBLIC OF GERMANY
 SO European Journal of Biochemistry, (1987) Vol. 168, No. 3, pp. 551-562.
 CODEN: EJBCAI. ISSN: 0014-2956.

DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 28 Dec 1987
 Last Updated on STN: 28 Dec 1987

L4 ANSWER 91 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1988:31093 BIOSIS
 DN PREV198885018818; BA85:18818
 TI MULTIPLE OLIGOSACCHARIDE CHAINS IN THE VOLTAGE-SENSITIVE SODIUM CHANNEL
 FROM ELECTROPHORUS-ELECTRICUS EVIDENCE FOR ALPHA-2 8-LINKED POLYSIALIC
 ACID.
 AU JAMES W M [Reprint author]; AGNEW W S
 CS DEP CELLULAR AND MOLECULAR PHYSIOLOGY, YALE UNIV SCH MED, 333 CEDAR
 STREET, NEW HAVEN, CONN 06510, USA
 SO Biochemical and Biophysical Research Communications, (1987) Vol. 148, No.
 2, pp. 817-826.
 CODEN: BBRCA9. ISSN: 0006-291X.

DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 28 Dec 1987
 Last Updated on STN: 28 Dec 1987

L4 ANSWER 92 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1987:170415 BIOSIS
 DN PREV198783088856; BA83:88856
 TI MOLECULAR CLONING AND PRIMARY STRUCTURE OF MYELIN-ASSOCIATED GLYCOPROTEIN.
 AU ARQUINT M [Reprint author]; RODER J; CHIA L-S; DOWN J; WILKINSON D; BAYLEY
 H; BRAUN P; DUNN R
 CS DEP MED GENETICS, MED SCI BUILDING, UNIV TORONTO, TORONTO, ON, CANADA M5S
 1A8
 SO Proceedings of the National Academy of Sciences of the United States of
 America, (1987) Vol. 84, No. 2, pp. 600-604.
 CODEN: PNASA6. ISSN: 0027-8424.

DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 11 Apr 1987
 Last Updated on STN: 11 Apr 1987

L4 ANSWER 93 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1987:148149 BIOSIS
 DN PREV198783077199; BA83:77199
 TI NEUROECTODERM-ASSOCIATED ANTIGENS ON EWING'S SARCOMA CELL LINES.
 AU LIPINSKI M [Reprint author]; BRAHAM K; PHILIP I; WIELS J; PHILIP T;
 GORIDIS C; LENOIR G M; TURSZ T
 CS LAB D'IMMUNOBIOLOGIE TUMEURS, CNRS UA 1156, INST GUSTAVE ROUSSY, 94805
 VILLEJUIF CEDEX, FR
 SO Cancer Research, (1987) Vol. 47, No. 1, pp. 183-187.
 CODEN: CNREA8. ISSN: 0008-5472.

DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 21 Mar 1987
 Last Updated on STN: 21 Mar 1987

L4 ANSWER 94 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

DN PREV198783062714; BA83:62714
 TI TOPOGRAPHY OF ***NEURAL*** ***CELL*** ***ADHESION***
 MOLECULE STRUCTURAL AND FUNCTIONAL DETERMINANTS II. PLACEMENT OF
 MONOCLONAL ANTIBODY EPITOPES.
 AU FRELINGER A L III [Reprint author]; RUTISHAUSER U
 CS NEUROSCIENCE PROGRAM, DEP DEVELOPMENTAL GENETICS ANATOMY, CASE WESTERN RES
 UNIV SCH MED, CLEVELAND, OHIO 44106, USA
 SO Journal of Cell Biology, (1986) Vol. 103, No. 5, pp. 1729-1738.
 CODEN: JCLBA3. ISSN: 0021-9525.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 7 Mar 1987
 Last Updated on STN: 7 Mar 1987

L4 ANSWER 95 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1987:123648 BIOSIS
 DN PREV198783062709; BA83:62709
 TI TOPOGRAPHIC LOCALIZATION OF THE HEPARIN-BINDING DOMAIN OF THE
 NEURAL ***CELL*** ***ADHESION*** ***MOLECULE*** N-CAI
 AU COLE G J [Reprint author]; LOEWY A; CROSS N V; AKESON R; GLASER L
 CS UNIV MIAMI SCH MED, DEP BIOCHEMISTRY, MIAMI, FLA 33101, USA
 SO Journal of Cell Biology, (1986) Vol. 103, No. 5, pp. 1739-1744.
 CODEN: JCLBA3. ISSN: 0021-9525.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 7 Mar 1987
 Last Updated on STN: 7 Mar 1987

L4 ANSWER 96 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1987:46374 BIOSIS
 DN PREV198783025720; BA83:25720
 TI MYELIN-ASSOCIATED GLYCOPROTEIN SHARES AN ANTIGENIC DETERMINANT WITH A
 GLYCOPROTEIN OF HUMAN MELANOMA CELLS.
 AU NORONHA A B [Reprint author]; HARPER J R; ILYAS A A; REISFIELD R A;
 QUARLES R H
 CS PARK BUILDING, ROOM 425, NATIONAL INST NEUROLOGICAL AND COMMUNICATIVE
 DISORDERS AND STROKE, NATIONAL INST HEALTH, BETHESDA, MARYLAND 20892, USA
 SO Journal of Neurochemistry, (1986) Vol. 47, No. 5, pp. 1558-1565.
 CODEN: JONRA9. ISSN: 0022-3042.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 7 Jan 1987
 Last Updated on STN: 7 Jan 1987

L4 ANSWER 97 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1986:456634 BIOSIS
 DN PREV198682113476; BA82:113476
 TI PHENOTYPIC CHARACTERIZATION OF EWING SARCOMA CELL LINES WITH MONOCLONAL
 ANTIBODIES.
 AU LIPINSKI M [Reprint author]; BRAHAM K; PHILIP I; WEIS J; PHILIP T; DELLAGI
 K; GORIDIS C; LENOIR G M; TURSZ T
 CS GROUP D'IMMUNOBIOLOGIE DES TUMEURS, CNRS UA 1156, INST GUSTAVE ROUSSY, 94805
 VILLEJUIF CEDEX
 SO Journal of Cellular Biochemistry, (1986) Vol. 31, No. 4, pp. 289-296.
 CODEN: JCEBD5. ISSN: 0730-2312.
 DT Article
 FS BA
 LA ENGLISH
 ED Entered STN: 21 Nov 1986
 Last Updated on STN: 21 Nov 1986

L4 ANSWER 98 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1986:208627 BIOSIS
 DN PREV198681099927; BA81:99927
 TI NERVE GROWTH FACTOR ENHANCES EXPRESSION OF NEURON-GLIA CELL ADHESION
 MOLECULE IN PC-12 CELLS.
 AU FRIEDLANDER D R [Reprint author]; GRUMET M; EDELMAN G M
 CS ROCKEFELLER UNIV, NEW YORK, NEW YORK 10021, USA
 SO Journal of Cell Biology, (1986) Vol. 102, No. 2, pp. 413-419.
 CODEN: JCLBA3. ISSN: 0021-9525.
 DT Article
 FS BA

ED Entered STN: 28 May 1986
Last Updated on STN: 28 May 1986

L4 ANSWER 99 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1986:154729 BIOSIS
DN PREV198681065145; BA81:65145
TI BIOSYNTHESIS AND MEMBRANE TOPOGRAPHY OF THE ***NEURAL*** ***CELL***
ADHESION ***MOLECULE*** L-1.

AU FAISSNER A [Reprint author]; TELOW D B; KUEBLER D; KEILHAUER G; KINZEL V;
SCHACHNER M
CS DEP NEUROBIOL, UNIV HEIDELBERG, IM NEUENHEIMER FELD 504, 69 HEIDELBERG, W
GERMANY
SO EMBO (European Molecular Biology Organization) Journal, (1985) Vol. 4, No.
12, pp. 3105-3114.
CODEN: EMJODG. ISSN: 0261-4189.

DT Article
FS BA
LA ENGLISH

ED Entered STN: 26 Apr 1986
Last Updated on STN: 26 Apr 1986

L4 ANSWER 100 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1985:280877 BIOSIS
DN PREV198579060873; BA79:60873
TI MAPPING OF 3 CARBOHYDRATE ATTACHMENT SITES IN EMBRYONIC AND ADULT FORMS OF
THE ***NEURAL*** ***CELL*** ***ADHESION*** ***MOLECULE***
AU CROSSIN K L [Reprint author]; EDELMAN G M; CUNNINGHAM B A
CS ROCKEFELLER UNIV, NEW YORK, NEW YORK 10021, USA
SO Journal of Cell Biology, (1984) Vol. 99, No. 5, pp. 1848-1855.
CODEN: JCLBA3. ISSN: 0021-9525.

DT Article
FS BA
LA ENGLISH

L4 ANSWER 101 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1984:357190 BIOSIS
DN PREV198478093670; BA78:93670
TI THE TRANS MEMBRANE DISPOSITION OF THE ***NEURAL*** ***CELL***
ADHESION ***MOLECULE*** N-CAM THE USE OF LIPOSOME INSERTED
RADIO IODINATED ***NEURAL*** ***CELL*** ***ADHESION***
MOLECULE TO STUDY ITS TRANS BI LAYER ORIENTATION.

AU GENNARINI G [Reprint author]; HIRN M; DEAGOSTINI-BAZIN H; GORIDIS C
CS ISTITUTO DI FISILOGIA UMANA, FAC DI MED E CHIRURGIA, UNIV DEGLI STUDI DI
BARI, POLICLINICO, PIAZZA G CESARE, I-70124 BARI, ITALY
SO European Journal of Biochemistry, (1984) Vol. 142, No. 1, pp. 65-74.
CODEN: EJBCAI. ISSN: 0014-2956.

DT Article
FS BA
LA ENGLISH

L4 ANSWER 102 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1984:349199 BIOSIS
DN PREV198478085679; BA78:85679
TI 2 ANTIGENICALLY RELATED NEURONAL CELL ADHESION MOLECULES OF DIFFERENT
SPECIFICITIES MEDIATE NEURON-NEURON AND NEURON GLIA ADHESION.

AU GRUMET M [Reprint author]; HOFFMAN S; EDELMAN G M
CS ROCKEFELLER UNIV, 1230 YORK AVE, NEW YORK, NY 10021, USA
SO Proceedings of the National Academy of Sciences of the United States of
America, (1984) Vol. 81, No. 1, pp. 267-271.
CODEN: PNASA6. ISSN: 0027-8424.

DT Article
FS BA
LA ENGLISH

L4 ANSWER 103 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1984:196283 BIOSIS
DN PREV198477029267; BA77:29267
TI MOLECULAR TOPOGRAPHY OF THE ***NEURAL*** ***CELL***
ADHESION ***MOLECULE*** N-CAM SURFACE ORIENTATION AND LOCATI
OF SIALIC-ACID-RICH AND BINDING REGIONS.

AU CUNNINGHAM B A [Reprint author]; HOFFMAN S; RUTISHAUSER U; HEMPERLY J J;
EDELMAN G M
CS ROCKEFELLER UNIV, 1230 YORK AVE, NEW YORK, NY 10021, USA
SO Proceedings of the National Academy of Sciences of the United States of
America, (1983) Vol. 80, No. 10, pp. 3116-3120.

DT Article
FS BA
LA ENGLISH

L4 ANSWER 104 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1983:332038 BIOSIS
DN PREV198376089530; BA76:89530
TI OCCURRENCE OF ALPHA-2-8 LINKED POLY SIALOSYL UNITS IN A ***NEURAL***
CELL ***ADHESION*** ***MOLECULE***
AU FINNE J [Reprint author]; FINNE U; DEAGOSTINI-BAZIN H; GORIDIS C
CS DEP MED CHEM, UNIV HELSINKI, SILTAVUORENPENGER 10, SF-00170 HELSINKI 17,
FINLAND
SO Biochemical and Biophysical Research Communications, (1983) Vol. 112, No.
2, pp. 482-487.
CODEN: BBRCA9. ISSN: 0006-291X.

DT Article
FS BA
LA ENGLISH

L4 ANSWER 105 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1983:255048 BIOSIS
DN PREV198376012540; BA76:12540
TI A ***NEURAL*** ***CELL*** ***ADHESION*** ***MOLECULE***
FROM HUMAN BRAIN.
AU MCCLAIN D A [Reprint author]; EDELMAN G M
CS ROCKEFELLER UNIV, 1230 YORK AVE, NEW YORK, NY 10021, USA
SO Proceedings of the National Academy of Sciences of the United States of
America, (1982) Vol. 79, No. 20, pp. 6380-6384.
CODEN: PNASA6. ISSN: 0027-8424.

DT Article
FS BA
LA ENGLISH

L4 ANSWER 106 OF 387 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1983:166882 BIOSIS
DN PREV198375016882; BA75:16882
TI CHEMICAL CHARACTERIZATION OF A ***NEURAL*** ***CELL***
ADHESION ***MOLECULE*** PURIFIED FROM EMBRYONIC BRAIN
MEMBRANES.
AU HOFFMAN S [Reprint author]; SORKIN B C; WHITE P C; BRACKENBURY R;
MAILHAMMER R; RUTISHAUSER U; CUNNINGHAM B A; EDELMAN G M
CS ROCKEFELLER UNIV, NEW YORK, NY 10021, USA
SO Journal of Biological Chemistry, (1982) Vol. 257, No. 13, pp. 7720-7729.
CODEN: JBCHA3. ISSN: 0021-9258.

DT Article
FS BA
LA ENGLISH

L4 ANSWER 107 OF 387 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1996-09848 BIOTECHDS
TI Controlling glial cell proliferation;
using a ***neural*** ***cell*** ***adhesion***
molecule homophilic ***peptide*** expressed in bacterium.
insect or mammal cells
AU Edelman G M; Crossin K L; Sporns O; Krushel L
PA Scripps-Res.Inst.; Neurosci.Res.Found.
LO La Jolla, CA, USA; San Diego, CA, USA.
PI WO 9618103 ***13 Jun 1996***
AI WO 1995-US15991 11 Dec 1995
PRAI US 1995-440725 8 May 1995; US 1994-353658 9 Dec 1994
DT Patent
LA English
OS WPI: 1996-287328 [29]

L4 ANSWER 108 OF 387 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
AN 1998:28390089 BIOTECHNO
TI Tumor necrosis factor induces neuroendocrine differentiation in small
cell lung cancer cell lines
AU Haley K.J.; Patidar K.; Zhang F.; Emanuel R.L.; Sunday M.E.
CS M.E. Sunday, Pathology Dept., Brigham and Women's Hospital, 75 Francis
St., Boston, MA 02115, United States.
SO American Journal of Physiology - Lung Cellular and Molecular Physiology,
(***1998***), 275/2 19-2 (L311-L321), 77 reference(s)
CODEN: APLPE7 ISSN: 1040-0605
DT Journal; Article

LA English
 SL English

L4 ANSWER 109 OF 387 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
 AN 1996:27143094 BIOTECHNO
 TI Molecular characterization of Hor v 9: Conservation of a T-cell epitope among group IX pollen allergens and human VCAM and CD2
 AU Astwood J.D.; Hill R.D.
 CS J.D. Astwood, Monsanto Company, 700 Chesterfield Parkway North, St. Louis, MO 63021, United States.
 SO Advances in Experimental Medicine and Biology, (***1996***), 409/- (269-277), 19 reference(s)
 CODEN: AEMBAP ISSN: 0065-2598
 DT Journal; Conference Article
 CY United States
 LA English
 SL English

L4 ANSWER 110 OF 387 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
 AN 1990:20044831 BIOTECHNO
 TI Axial patterning and the establishment of polarity in the frog embryo
 AU Ruiz i Altaba A.; Melton D.A.
 CS Department of Biochemistry and Molecular Biology, Harvard University, 7 Divinity Avenue, Cambridge, MA 02138, United States.
 SO Trends in Genetics, (***1990***), 6/2 (57-64)
 CODEN: TRGEE2 ISSN: 0168-9525
 DT Journal; General Review
 CY United Kingdom
 LA English
 SL English

L4 ANSWER 111 OF 387 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
 AN 1989:19092419 BIOTECHNO
 TI Identification of a cDNA clone specific for the ***neural***
 cell ***adhesion*** ***molecule*** AMOG
 AU Pagliusi S.; Antonicek H.; Gloor S.; Frank R.; Moos M.; Schachner M.
 CS Department of Neurobiology, University of Heidelberg, 6900 Heidelberg, Germany.
 SO Journal of Neuroscience Research, (***1989***), 22/2 (113-119)
 CODEN: JNREDK ISSN: 0360-4012
 DT Journal; Article
 CY United States
 LA English
 SL English

L4 ANSWER 112 OF 387 CANCERLIT on STN
 AN 1999392531 CANCERLIT
 DN 99392531 PubMed ID: 10463235
 TI [Inflammatory changes and immunological disturbances in stroke].
 Zmiany zapalne i zaburzenia immunologiczne w udarach mozgowych.
 AU Fiszer U; Czlonkowska A
 CS II Kliniki Neurologii Instytutu Psychiatrii i Neurologii w Warszawie.
 SO NEUROLOGIA I NEUROCHIRURGIA POLSKA, *** (1998 Sep-Oct) *** 32 (5) 1219-27. Ref: 30
 Journal code: 0101265. ISSN: 0028-3843.
 CY Poland
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA Polish
 FS MEDLINE; Priority Journals
 OS MEDLINE 1999392531
 EM 199909
 ED Entered STN: 19991112
 Last Updated on STN: 19991112

L4 ANSWER 113 OF 387 CANCERLIT on STN
 AN 1998177248 CANCERLIT
 DN 98177248 PubMed ID: 9516605
 TI Autocrine growth factors and neuroendocrine markers in the development of small-cell lung cancer.
 AU Johnson B E; Kelley M J
 CS Division of Clinical Sciences, National Naval Medical Center, USA.
 SO ONCOLOGY, *** (1998 Jan) *** 12 (1 Suppl 2) 11-4.
 Journal code: 8712059. ISSN: 0890-9091.

DT (CLINICAL TRIAL)
 (CLINICAL TRIAL, PHASE II)
 Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS MEDLINE; Priority Journals
 OS MEDLINE 1998177248
 EM 199805
 ED Entered STN: 19980610
 Last Updated on STN: 19980610

L4 ANSWER 114 OF 387 CANCERLIT on STN
 AN 1998169530 CANCERLIT
 DN 98169530 PubMed ID: 9501249
 TI Sympathetic neurons can produce and respond to interleukin 6.
 AU Marz P; Cheng J G; Gadiant R A; Patterson P H; Stoyan T; Otten U;
 Rose-John S
 CS Department of Medicine, Section Pathophysiology, Mainz University, Obere
 Zahlbacherstrasse 63, 55101 Mainz, Germany.
 SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF
 AMERICA, *** (1998 Mar 17) *** 95 (6) 3251-6.
 Journal code: 7505876. ISSN: 0027-8424.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS MEDLINE; Priority Journals
 OS MEDLINE 1998169530
 EM 199804
 ED Entered STN: 19980506
 Last Updated on STN: 19980506

L4 ANSWER 115 OF 387 CANCERLIT on STN
 AN 96134037 CANCERLIT
 DN 96134037 PubMed ID: 8557754
 TI The L1 adhesion molecule is a cellular ligand for VLA-5.
 AU Ruppert M; Aigner S; Hubbe M; Yagita H; Altevogt P
 CS Tumor Immunology Programme, German Cancer Research Center, Heidelberg,
 Germany.
 SO JOURNAL OF CELL BIOLOGY, *** (1995 Dec) *** 131 (6 Pt 2) 1881-91.
 Journal code: 0375356. ISSN: 0021-9525.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS MEDLINE; Priority Journals
 OS MEDLINE 96134037
 EM 199602
 ED Entered STN: 19960424
 Last Updated on STN: 19970509

L4 ANSWER 116 OF 387 CANCERLIT on STN
 AN 95607745 CANCERLIT
 DN 95607745
 TI In vivo application of monoclonal antibodies.
 AU Kwa H B; Storm J; Groeneberg I; Hoefnagel C A; Rutgers E; Hilkens J
 CS Div. of Tumor Biology, The Netherlands Cancer Inst., Amsterdam, The
 Netherlands.
 SO Annu Rep Neth Cancer Inst, *** (1993) *** 1993 66.
 ISSN: 0376-7345.
 DT (NONGOVERNMENT REPORT)
 LA English
 FS Institute for Cell and Developmental Biology
 EM 199510
 ED Entered STN: 19951012
 Last Updated on STN: 19951012

L4 ANSWER 117 OF 387 CANCERLIT on STN
 AN 95284731 CANCERLIT
 DN 95284731 PubMed ID: 7539317
 TI Clinical tumour markers in lung cancer.
 AU Niklinski J; Furman M
 CS Department of Thoracic Surgery, Medical School, Bialystok, Poland.
 SO EUROPEAN JOURNAL OF CANCER PREVENTION, *** (1995 Apr) *** 4 (2) 129-38.
 Ref: 109
 Journal code: 9300837. ISSN: 0959-8278.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)

(REVIEW, TUTORIAL)
 LA English
 FS MEDLINE; Priority Journals
 OS MEDLINE 95284731
 EM 199506
 ED Entered STN: 19950809
 Last Updated on STN: 19970509

L4 ANSWER 118 OF 387 CANCERLIT on STN
 AN 92680096 CANCERLIT
 DN 92680096
 TI CHARACTERIZATION OF DCC, A CANDIDATE TUMOR SUPPRESSOR GENE WHICH IS
 ALTERED IN COLORECTAL CANCER.
 AU Cho K R; Fearon E R; Vogelstein B
 CS Molecular Genetics Lab., Johns Hopkins Oncology Center, Baltimore, MD
 21231.
 SO Serono Symp Publ Raven Press, *** (1991) *** 82 99-103.
 DT Book; (MONOGRAPH)
 LA English
 FS Institute for Cell and Developmental Biology
 EM 199204
 ED Entered STN: 19941107
 Last Updated on STN: 19941107

L4 ANSWER 119 OF 387 CANCERLIT on STN
 AN 92257596 CANCERLIT
 DN 92257596 PubMed ID: 1349853
 TI Neu differentiation factor: a transmembrane glycoprotein containing an EGF
 domain and an immunoglobulin homology unit.
 AU Wen D; Peles E; Cupples R; Suggs S V; Bacus S S; Luo Y; Trail G; Hu S;
 Silbiger S M; Levy R B; +
 CS Department of Chemical Immunology, Weizmann Institute of Science, Rehovot,
 Israel.
 NC CA-50843 (NCI)
 CA-51712 (NCI)
 SO CELL, *** (1992 May 1) *** 69 (3) 559-72.
 Journal code: 0413066. ISSN: 0092-8674.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS MEDLINE; Priority Journals
 OS MEDLINE 92257596; GENBANK-L05499; GENBANK-M87278; GENBANK-M92430;
 GENBANK-S35159; GENBANK-S72766; GENBANK-S72767; GENBANK-S72768;
 GENBANK-S72769; GENBANK-S72771; GENBANK-X71664
 EM 199206
 ED Entered STN: 19941107
 Last Updated on STN: 19950508

L4 ANSWER 120 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1999:731771 CAPLUS
 DN 131:332118
 TI Inhibition of glial cell proliferation with N-CAM homophilic
 peptides
 IN Edelman, Gerald M.; Crossin, Kathryn L.; Sporns, Olaf; Krushel, Leslie
 PA The Scripps Research Institute, USA
 SO U.S., 21 pp., Cont.-in-part of U.S. Ser. No. 353,658, abandoned.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5985822	A	19991116	US 1995-440725	19950508
	WO 9618103	A1	19960613	WO 1995-US15991	19951211 <--
	W: AU, BR, CA, CN, FI, JP, MX, SG				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2206321	AA	19960613	CA 1995-2206321	19951211 <--
	AU 9646395	A1	19960626	AU 1996-46395	19951211 <--
	EP 800649	A1	19971015	EP 1995-944317	19951211 <--
	R: BE, DE, FR, GB, IT				
PRAI	US 1994-353658		19941209		
	US 1995-440725		19950508		
	WO 1995-US15991		19951211		

RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 121 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1998:133727 CAPLUS
 DN 128:165357
 TI Distribution of N-cadherin and ***NCAM*** in neurons and endocrine
 cells of the human embryonic and fetal gastroenteropancreatic system
 AU Gaidar, Yuriy A.; Lepekhin, Eugene A.; Sheichetova, Galina A.; Witt,
 Martin
 CS Ukrainian Research Institute Gastroenterology, Dniepropetrovsk, Ukraine
 SO Acta Histochemica (***1998***), 100(1), 83-97
 CODEN: AHISA9; ISSN: 0065-1281
 PB Gustav Fischer Verlag
 DT Journal
 LA English

L4 ANSWER 122 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1998:107173 CAPLUS
 DN 128:149637
 TI Cross-talk signals in the CNS: role of neurotrophic and hormonal factors,
 adhesion molecules and intercellular signaling agents in luteinizing
 hormone-releasing hormone (LH-RH)-astroglial interactive network
 AU Marchetti, Bianca
 CS Dep. Pharmacol., Med. Sch., Univ. Catania, Catania, 98125, Italy
 SO Frontiers in Bioscience [Electronic Publication] (***1997***), 2,
 D88-D125
 CODEN: FRBIF6
 PB Frontiers in Bioscience
 DT Journal; General Review; (online computer file)
 LA English

L4 ANSWER 123 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1997:160595 CAPLUS
 TI Astrocyte adhesion to ***peptide*** -modified substrates.
 AU Kam, L. C.; St. John, P. M.; Craighead, H. G.; Isaacson, M.; Turner, J.
 N.; Shain, W.; Bizios, R.
 CS Department Biomedical Engineering, Rensselaer Polytechnic Institute, Troy,
 NY, 12180, USA
 SO Book of Abstracts, 213th ACS National Meeting, San Francisco, April 13-17
 (***1997***), COLL-360 Publisher: American Chemical Society,
 Washington, D. C.
 CODEN: 64AOAA
 DT Conference; Meeting Abstract
 LA English

L4 ANSWER 124 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1996:527662 CAPLUS
 DN 125:160386
 TI Isolated polysialyl transferases, nucleic acid molecules coding therefore,
 methods of production and use
 IN Gerardy-Schahn, Rita; Fukuda, Minoru; Nakayama, Jun; Eckhardt, Matthias
 PA Boehringer Mannheim GmbH, Germany
 SO PCT Int. Appl., 78 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 9620280	A1	19960704	WO 1995-US16664	19951221	<--
	W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KG, KP, KR,					
	KZ, LK, LT, LV, MD, MG, MN, NO, NZ, PL, RO, RU, SI, SK, TJ, TT,					
	UA, US, UZ, VN					
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE,					
	IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR,					
	NE, SN, TD, TG					
	US 5747326	A	19980505	US 1995-503133	19950717	<--
	CA 2208291	AA	19960704	CA 1995-2208291	19951221	<--
	AU 9646870	A1	19960719	AU 1996-46870	19951221	<--
	AU 692355	B2	19980604			
	EP 871743	A1	19981021	EP 1995-944508	19951221	<--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE					
	JP 2002509423	T2	20020326	JP 1996-520516	19951221	
	US 6020201	A	20000201	US 1997-899545	19970724	
PRAI	WO 1994-EP4289	A	19941222			
	US 1995-503133	A	19950717			
	EP 1995-116387	A	19951018			

L4 ANSWER 125 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1995:902922 CAPLUS
 DN 123:283640
 TI Antibodies against epitopes with homology to self antigens and methods of preparation and applications
 IN Rajewsky, Klaus; Mueller, Werner; Roes, Juergen
 PA Mioltenyi, Stefan, Germany
 SO Eur. Pat. Appl., 16 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 677533	A2	19951018	EP 1995-302440	19950412 <--
	EP 677533	A3	20000412		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	CA 2146693	AA	19951013	CA 1995-2146693	19950410 <--
	JP 08056692	A2	19960305	JP 1995-87269	19950412 <--
PRAI	US 1994-226168	A	19940412		

L4 ANSWER 126 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1995:660436 CAPLUS
 DN 123:139668
 TI Expression of the ***neural*** ***cell*** ***adhesion***
 molecule ***NCAM*** by ***peptide*** - and
 steroid-producing endocrine cells and tumors: alternatively spliced forms and polysialylation
 AU Lahr, Georgia; Mayerhofer, Artur
 CS Abteilung Anatomie und Zellbiologie, Universitaet Ulm, Ulm, D-89069, Germany
 SO Endocrine Pathology (***1995***), 6(2), 91-101
 CODEN: ENPAFD; ISSN: 1046-3976
 DT Journal; General Review
 LA English

L4 ANSWER 127 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1995:583898 CAPLUS
 DN 123:30446
 TI Cell adhesion molecules in neuroblastoma
 AU Patel, Kalpana; Kemshead, John T.
 CS Imperial Cancer Research Fund, Frenchay Hospital, Bristol, BS16 ILE, UK
 SO Hum. Neuroblastoma (***1993***), 72-83. Editor(s): Schwab, Manfred; Tonini, Gian Paolo; Benard, Jean. Publisher: Harwood, Chur, Switz.
 CODEN: 61FSAQ
 DT Conference; General Review
 LA English

L4 ANSWER 128 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1995:414152 CAPLUS
 DN 123:27044
 TI Characterization of the 5' and promoter regions of the gene encoding the mouse neuronal cell adhesion molecule F3
 AU Buttiglione, Maura; Cangiano, Giuseppina; Goridis, Christo; Gennarini, Gianfranco
 CS Istituto di Fisiologia Umana, Facolta di Medicina e Chirurgia, Universita di Bari, Piazzale G. Cesare, I-70124, Bari, Italy
 SO Molecular Brain Research (***1995***), 29(2), 297-309
 CODEN: MBREE4; ISSN: 0169-328X
 PB Elsevier
 DT Journal
 LA English

L4 ANSWER 129 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1994:697736 CAPLUS
 DN 121:297736
 TI Expression of the neural axon adhesion molecule L1 in the developing and adult rat brain
 AU Liljelund, Patricia; Ghosh, Prabhat; van den Pol, Anthony N.
 CS Section of Neurosurgery, Yale University School of Medicine, New Haven, CT, 06510, USA
 SO Journal of Biological Chemistry (***1994***), 269(52), 32886-95
 CODEN: JBCHA3; ISSN: 0021-9258
 PB American Society for Biochemistry and Molecular Biology

LA English

L4 ANSWER 130 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1993:513885 CAPLUS
DN 119:113885
TI Internalization and neurotropic activity of a homeobox ***peptide***
AU Joliot, A.; Le Roux, I.; Volovitch, M.; Bloch-Gallego, E.; Prochiantz, A.
CS Ec. Norm. Super., Paris, 75230, Fr.
SO Polysialic Acid (***1993***), 257-61. Editor(s): Roth, Juergen;
Rutishauser, Urs; Troy, Frederick A., II. Publisher: Birkhaeuser, Basel,
Switz.
CODEN: 59FNAM
DT Conference
LA English

L4 ANSWER 131 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1993:161101 CAPLUS
DN 118:161101
TI Theories of luteinizing hormone releasing hormone neuronal migration:
Mechanisms and biological importance
AU Schwanzel-Fukuda, Marlene; Pfaff, Donald W.
CS Lab. Neurobiol. Behavior, Rockefeller Univ., New York, NY, USA
SO Modes Action GnRH GnRH Analogs, [Proc. Symp.] (***1992***), Meeting
Date 1991, 131-43. Editor(s): Crowley, William F., Jr.; Conn, P. Michael.
Publisher: Springer, New York, N. Y.
CODEN: 58UPAS
DT Conference; General Review
LA English

L4 ANSWER 132 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1992:505582 CAPLUS
DN 117:105582
TI Are embryonic ***NCAMs*** homeobox receptors?
AU Joliot, Alain; Triller, Antoine; Volovitch, Michel; Prochiantz, Alain
CS Ec. Norm. Super., Paris, 75230, Fr.
SO Comptes Rendus de l'Academie des Sciences, Serie III: Sciences de la Vie
(***1992***), 314(Suppl. 9), 59-63
CODEN: CRASEV; ISSN: 0764-4469
DT Journal
LA French

L4 ANSWER 133 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1992:52597 CAPLUS
DN 116:52597
TI Characterization of cDNA clones defining variant forms of human
neural ***cell*** ***adhesion*** ***molecule*** N-CAI
AU Hemperly, John J.; DeGuglielmo, Jane K.; Reid, Robert A.
CS Res. Cent., Becton Dickinson and Co., Research Triangle Park, NC, 27709,
USA
SO Journal of Molecular Neuroscience (***1990***), 2(2), 71-8
CODEN: JMNEES; ISSN: 0895-8696
DT Journal
LA English

L4 ANSWER 134 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1990:626565 CAPLUS
DN 113:226565
TI Neural cell recognition molecule F11: homology with fibronectin type III
and immunoglobulin type C domains
AU Bruemendorf, Thomas; Wolff, J. Michael; Frank, Rainer; Rathjen, Fritz G.
CS Max-Planck Inst. Entwicklungsbiol., Tuebingen, D-7400, Fed. Rep. Ger.
SO Neuron (***1989***), 2(4), 1351-61
CODEN: NERNET; ISSN: 0896-6273
DT Journal
LA English

L4 ANSWER 135 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1990:586771 CAPLUS
DN 113:186771
TI Identification of a heparin binding domain of the ***neural***
cell ***adhesion*** ***molecule*** N-CAM using synthetic
peptides
AU Cole, Gregory J.; Akeson, Richard
CS Dep. Anat. Cell Biol., Med. Univ. South Carolina, Charleston, SC, 29425,
USA

DT CODEN: NERNET; ISSN: 0896-6273
 LA Journal
 English

L4 ANSWER 136 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1988:420564 CAPLUS
 DN 109:20564
 TI Platelet glycoprotein IIb-IIIa: member of a family of adhesive protein
 receptor complexes
 AU Phillips, D. R.; Fitzgerald, L. A.
 CS Gladstone Found. Lab., San Francisco, CA, 94140, USA
 SO Colloque INSERM (***1988***), 158 (Biochem. Physiopathol. Platelet
 Membr.), 107-20
 CODEN: CINMDE; ISSN: 0768-3154
 DT Journal; General Review
 LA English

L4 ANSWER 137 OF 387 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1987:593675 CAPLUS
 DN 107:193675
 TI CMP-NeuNAc:poly-.alpha.-2,8-sialosyl sialyltransferase in neural cell
 membranes
 AU McCoy, Ronald D.; Troy, Frederic A.
 CS Sch. Med., Univ. California, Davis, CA, 95610, USA
 SO Methods in Enzymology (***1987***), 138 (Complex Carbohydr., Pt. E),
 627-37
 CODEN: MENZAU; ISSN: 0076-6879
 DT Journal
 LA English

L4 ANSWER 138 OF 387 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
 Learning Company; All Rights Reserved on STN
 AN 1999:37330 DISSABS Order Number: AAINQ35382
 TI IDENTIFICATION AND CHARACTERIZATION OF A HOMOPHILIC BINDING AND
 NEURITOGENIC SITE IN THE CELL ADHESION MOLECULE L1
 AU ZHAO, XIAONING [PH.D.]; SIU, CHI-HUNG [adviser]
 CS UNIVERSITY OF TORONTO (CANADA) (0779)
 SO Dissertation Abstracts International, (***1998***) Vol. 60, No. 1B, p.
 75. Order No.: AAINQ35382. 263 pages.
 ISBN: 0-612-35382-6.
 DT Dissertation
 FS DAI
 LA English

L4 ANSWER 139 OF 387 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
 Learning Company; All Rights Reserved on STN
 AN 97:77717 DISSABS Order Number: AAR9801615
 TI CHARACTERIZATION OF NYK, A ***NEURAL*** ***CELL***
 ADHESION ***MOLECULE*** -RELATED RECEPTOR TYROSINE KINASE
 (GLIOMA GROWTH)
 AU LING, LEI [PH.D.]; KUNG, HSING-JIEN [advisor]
 CS CASE WESTERN RESERVE UNIVERSITY (HEALTH SCIENCES) (0499)
 SO Dissertation Abstracts International, (***1997***) Vol. 58, No. 7B, p.
 3473. Order No.: AAR9801615. 210 pages.
 DT Dissertation
 FS DAI
 LA English
 ED Entered STN: 19971124
 Last Updated on STN: 19971124

L4 ANSWER 140 OF 387 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
 Learning Company; All Rights Reserved on STN
 AN 97:60496 DISSABS Order Number: AAR9730317
 TI CHONDROGENIC ACTIVITY OF TRANSFORMING GROWTH FACTOR-BETA(1) AND BONE
 MORPHOGENETIC PROTEIN-2 ON MULTIPOTENTIAL MESENCHYMAL CELLS
 AU DENKER, ANDREW EVAN [PH.D.]
 CS THOMAS JEFFERSON UNIVERSITY (0272)
 SO Dissertation Abstracts International, (***1997***) Vol. 58, No. 4B, p.
 1784. Order No.: AAR9730317. 191 pages.
 DT Dissertation
 FS DAI
 LA English
 ED Entered STN: 19971010
 Last Updated on STN: 19971010

Learning Company; All Rights Reserved on STN
 AN 97:47406 DISSABS Order Number: AAR9720818
 TI FUNCTIONAL ANALYSIS OF THE CYTOPLASMIC DOMAIN OF THE ***NEURAL***
 CELL ***ADHESION*** ***MOLECULE*** L1
 AU WONG, ERIC V. [PH.D.]; LEMMON, VANCE P. [advisor]
 CS CASE WESTERN RESERVE UNIVERSITY (HEALTH SCIENCES) (0499)
 SO Dissertation Abstracts International, (***1996***) Vol. 58, No. 1B, p.
 88. Order No.: AAR9720818. 180 pages.
 DT Dissertation
 FS DAI
 LA English
 ED Entered STN: 19970604
 Last Updated on STN: 19970604

L4 ANSWER 142 OF 387 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
 Learning Company; All Rights Reserved on STN
 AN 96:51356 DISSABS Order Number: AAR9625290
 TI BIOCHEMICAL AND FUNCTIONAL ANALYSIS OF N-CADHERIN PHOSPHORYLATION IN
 EMBRYONIC CHICK TISSUES
 AU LEE, MIMI MEIHUI [PH.D.]; GRUNWALD, GERALD B. [advisor]
 CS THOMAS JEFFERSON UNIVERSITY (0272)
 SO Dissertation Abstracts International, (***1996***) Vol. 57, No. 4B, p.
 2281. Order No.: AAR9625290. 169 pages.
 DT Dissertation
 FS DAI
 LA English
 ED Entered STN: 19960903
 Last Updated on STN: 19960903

L4 ANSWER 143 OF 387 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
 Learning Company; All Rights Reserved on STN
 AN 95:62768 DISSABS Order Number: AAINN97250
 TI MOLECULAR ANALYSIS OF HOMOPHILIC INTERACTIONS OF THE ***NEURAL***
 CELL ***ADHESION*** ***MOLECULE*** ***NCAM***
 AU RAO, YONG [PH.D.]; SIU, CHI-HUNG [advisor]
 CS UNIVERSITY OF TORONTO (CANADA) (0779)
 SO Dissertation Abstracts International, (***1994***) Vol. 56, No. 7B, p.
 3745. Order No.: AAINN97250. 233 pages.
 ISBN: 0-315-97250-5.
 DT Dissertation
 FS DAI
 LA English
 ED Entered STN: 19951206
 Last Updated on STN: 19951206

L4 ANSWER 144 OF 387 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
 Learning Company; All Rights Reserved on STN
 AN 95:32468 DISSABS Order Number: AAI9517115
 TI PRIMARY STRUCTURE AND FUNCTIONAL STUDIES OF BRAIN PROTEOGLYCANS
 AU KARTHIKEYAN, LAINA [PH.D.]; MARGOLIS, RICHARD U. [advisor]
 CS NEW YORK UNIVERSITY (0146)
 SO Dissertation Abstracts International, (***1994***) Vol. 56, No. 1B, p.
 186. Order No.: AAI9517115. 178 pages.
 DT Dissertation
 FS DAI
 LA English
 ED Entered STN: 19950707
 Last Updated on STN: 19950707

L4 ANSWER 145 OF 387 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
 Learning Company; All Rights Reserved on STN
 AN 93:47027 DISSABS Order Number: AAR9324406
 TI ROLE OF CELL ADHESION MOLECULES IN NEURITE OUTGROWTH (MICROFILAMENTS,
 GROWTH CONE MORPHOLOGY)
 AU ABOSCH, AVIVA [PH.D.]
 CS UNIVERSITY OF PITTSBURGH (0178)
 SO Dissertation Abstracts International, (***1991***) Vol. 54, No. 4B, p.
 1816. Order No.: AAR9324406. 141 pages.
 DT Dissertation
 FS DAI
 LA English
 ED Entered STN: 19930920
 Last Updated on STN: 19930920

L4 ANSWER 146 OF 387 DISSABS COPYRIGHT (C) 2004 ProQuest Information and

AN 93:18284 DISSABS Order Number: AAR9301516
TI MOLECULAR ANALYSIS OF SIALYTRANSFERASE GENES AND THEIR REGULATED
EXPRESSION DURING DEVELOPMENT (***NEURAL*** ***CELL***
ADHESION ***MOLECULES*** , CELL ADHESION)
AU LIVINGSTON, BRIAN DUANE [PH.D.]; DE ROBERTIS, EDWARD [advisor]; PAULSON,
JAMES C. [advisor]
CS UNIVERSITY OF CALIFORNIA, LOS ANGELES (0031)
SO Dissertation Abstracts International, (***1992***) Vol. 53, No. 11B,
p. 5532. Order No.: AAR9301516. 101 pages.
DT Dissertation
FS DAI
LA English
ED Entered STN: 19930426
Last Updated on STN: 19930426

L4 ANSWER 147 OF 387 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN AAW02594 Protein DGENE
TI Controlling glial cell proliferation - using agents which interact with
neural ***cell*** ***adhesion*** ***molecules*** on
glial cell surfaces
IN Crossin K L; Edelman G M; Krushel L; Sporns O
PA (NEUR-N) NEUROSCIENCES RES FOUND.
(SCRI) SCRIPPS RES INST.
PI ***WO 9618103 A1 19960613 59p***
AI WO 1995-US15991 19951211
PRAI US 1995-440725 19950508
US 1994-353658 19941209
DT Patent
LA English
OS 1996-287328 [29]
DESC N-CAM homophilic ***peptide*** .

L4 ANSWER 148 OF 387 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN AAW02595 Protein DGENE
TI Controlling glial cell proliferation - using agents which interact with
neural ***cell*** ***adhesion*** ***molecules*** on
glial cell surfaces
IN Crossin K L; Edelman G M; Krushel L; Sporns O
PA (NEUR-N) NEUROSCIENCES RES FOUND.
(SCRI) SCRIPPS RES INST.
PI ***WO 9618103 A1 19960613 59p***
AI WO 1995-US15991 19951211
PRAI US 1995-440725 19950508
US 1994-353658 19941209
DT Patent
LA English
OS 1996-287328 [29]
DESC Negative control ***peptide*** used against N-CAM homophilic
peptide .

L4 ANSWER 149 OF 387 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN AAW02596 Protein DGENE
TI Controlling glial cell proliferation - using agents which interact with
neural ***cell*** ***adhesion*** ***molecules*** on
glial cell surfaces
IN Crossin K L; Edelman G M; Krushel L; Sporns O
PA (NEUR-N) NEUROSCIENCES RES FOUND.
(SCRI) SCRIPPS RES INST.
PI ***WO 9618103 A1 19960613 59p***
AI WO 1995-US15991 19951211
PRAI US 1995-440725 19950508
US 1994-353658 19941209
DT Patent
LA English
OS 1996-287328 [29]
DESC N-CAM homophilic ***peptide*** .

L4 ANSWER 150 OF 387 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
AN AAW02597 Protein DGENE
TI Controlling glial cell proliferation - using agents which interact with
neural ***cell*** ***adhesion*** ***molecules*** on
glial cell surfaces
IN Crossin K L; Edelman G M; Krushel L; Sporns O
PA (NEUR-N) NEUROSCIENCES RES FOUND.
(SCRI) SCRIPPS RES INST.

AI WO 1995-US15991 19951211
 PRAI US 1995-440725 19950508
 US 1994-353658 19941209
 DT Patent
 LA English
 OS 1996-287328 [29]
 DESC Negative control ***peptide*** used against N-CAM homophilic
 peptide

L4 ANSWER 151 OF 387 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
 AN AAT32714 cDNA DGENE
 TI Controlling glial cell proliferation - using agents which interact with
 neural ***cell*** ***adhesion*** ***molecules*** on
 glial cell surfaces
 IN Crossin K L; Edelman G M; Krushel L; Sporns O
 PA (NEUR-N) NEUROSCIENCES RES FOUND.
 (SCRI) SCRIPPS RES INST.
 PI ***WO 9618103 A1 19960613 59p***
 AI WO 1995-US15991 19951211
 PRAI US 1995-440725 19950508
 US 1994-353658 19941209
 DT Patent
 LA English
 OS 1996-287328 [29]
 DESC Primer for amplifying third Ig domain of chick N-CAM.

L4 ANSWER 152 OF 387 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
 AN AAT32713 cDNA DGENE
 TI Controlling glial cell proliferation - using agents which interact with
 neural ***cell*** ***adhesion*** ***molecules*** on
 glial cell surfaces
 IN Crossin K L; Edelman G M; Krushel L; Sporns O
 PA (NEUR-N) NEUROSCIENCES RES FOUND.
 (SCRI) SCRIPPS RES INST.
 PI ***WO 9618103 A1 19960613 59p***
 AI WO 1995-US15991 19951211
 PRAI US 1995-440725 19950508
 US 1994-353658 19941209
 DT Patent
 LA English
 OS 1996-287328 [29]
 DESC Sequence encoding third Ig domain of chick N-CAM.

L4 ANSWER 153 OF 387 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
 AN AAT32712 DNA DGENE
 TI Controlling glial cell proliferation - using agents which interact with
 neural ***cell*** ***adhesion*** ***molecules*** on
 glial cell surfaces
 IN Crossin K L; Edelman G M; Krushel L; Sporns O
 PA (NEUR-N) NEUROSCIENCES RES FOUND.
 (SCRI) SCRIPPS RES INST.
 PI ***WO 9618103 A1 19960613 59p***
 AI WO 1995-US15991 19951211
 PRAI US 1995-440725 19950508
 US 1994-353658 19941209
 DT Patent
 LA English
 OS 1996-287328 [29]
 DESC N-CAM antisense sequence.

L4 ANSWER 154 OF 387 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
 AN AAT32711 DNA DGENE
 TI Controlling glial cell proliferation - using agents which interact with
 neural ***cell*** ***adhesion*** ***molecules*** on
 glial cell surfaces
 IN Crossin K L; Edelman G M; Krushel L; Sporns O
 PA (NEUR-N) NEUROSCIENCES RES FOUND.
 (SCRI) SCRIPPS RES INST.
 PI ***WO 9618103 A1 19960613 59p***
 AI WO 1995-US15991 19951211
 PRAI US 1995-440725 19950508
 US 1994-353658 19941209
 DT Patent
 LA English
 OS 1996-287328 [29]

L4 ANSWER 155 OF 387 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
 AN AAT32716 cDNA DGENE
 TI Controlling glial cell proliferation - using agents which interact with
 neural ***cell*** ***adhesion*** ***molecules*** on
 glial cell surfaces
 IN Crossin K L; Edelman G M; Krushel L; Sporns O
 PA (NEUR-N) NEUROSCIENCES RES FOUND.
 (SCRI) SCRIPPS RES INST.
 PI ***WO 9618103 A1 19960613 59p***
 AI WO 1995-US15991 19951211
 PRAI US 1995-440725 19950508
 US 1994-353658 19941209
 DT Patent
 LA English
 OS 1996-287328 [29]
 DESC Third Ig domain of chick N-CAM (with restriction sites for cloning).

L4 ANSWER 156 OF 387 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
 AN AAT32715 cDNA DGENE
 TI Controlling glial cell proliferation - using agents which interact with
 neural ***cell*** ***adhesion*** ***molecules*** on
 glial cell surfaces
 IN Crossin K L; Edelman G M; Krushel L; Sporns O
 PA (NEUR-N) NEUROSCIENCES RES FOUND.
 (SCRI) SCRIPPS RES INST.
 PI ***WO 9618103 A1 19960613 59p***
 AI WO 1995-US15991 19951211
 PRAI US 1995-440725 19950508
 US 1994-353658 19941209
 DT Patent
 LA English
 OS 1996-287328 [29]
 DESC Primer for amplifying third Ig domain of chick N-CAM.

L4 ANSWER 157 OF 387 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): AF016619 GenBank (R)
 GenBank ACC. NO. (GBN): AF016619
 GenBank VERSION (VER): AF016619.1 GI:2529741
 CAS REGISTRY NO. (RN): 198734-07-5
 SEQUENCE LENGTH (SQL): 3485
 MOLECULE TYPE (CI): mRNA; linear
 DIVISION CODE (CI): Rodents
 DATE (DATE): 16 Oct 1997
 DEFINITION (DEF): Mus musculus Rb-8 ***neural*** ***cell***
 adhesion ***molecule*** short form
 precursor (RNCAM) mRNA, complete cds.
 SOURCE:
 ORGANISM (ORGN): Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Mammalia; Eutheria; Rodentia;
 Sciurognathi; Muridae; Murinae; Mus
 NUCLEIC ACID COUNT (NA): 1151 a 710 c 720 g 904 t
 REFERENCE:
 1 (bases 1 to 3485)
 AUTHOR (AU): Alenius, M.; Bohm, S.
 TITLE (TI): Identification of a novel ***neural*** ***cell***
 adhesion ***molecule*** -related gene with
 potential role in selective axonal projection
 J. Biol. Chem., 272 (42), 26083-26086 (***1997***)
 JOURNAL (SO):
 OTHER SOURCE (OS): CA 128:10774
 REFERENCE:
 2 (bases 1 to 3485)
 AUTHOR (AU): Alenius, M.; Bohm, S.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (28-JUL-1997) Cell and Molecular Biology,
 Umea University, Umea S-901 87, Sweden

FEATURES (FEAT):
 Feature Key Location Qualifier
 =====+=====+=====+
 source 1..3485 /organism="Mus musculus"
 /strain="C57BL/6J"
 /db-xref="taxon:10090"
 /cell-type="olfactory sensory
 neurons"

gene
CDS

1..3485
100..2283

epithelium"
/gene="RNCAM"
/gene="RNCAM"
/codon-start=1
/product="Rb-8 neural cell
adhesion molecule short form
precursor"
/protein-id="AAC53375.1"
/db-xref="GI:2529742"
/translation="MSLLLSFYLLGLLVRSQAL
LQVTISLSKVELSVGESKFFTCTA
IGEPESIDWYNPQGEKIISTQRVMLQKEGVRSL
TIYNANIEDAGIYRCQATDAKGQT
QEATVVLEIYQKLTFFREVVSPOEFKQGEDAEVVC
RVSSSPAPAVSWLYHNEEVTTIPD
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L4 ANSWER 159 OF 387 GENBANK.RTM. COPYRIGHT 2004 on STN

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DIVISION CODE (CI): Rodents
DATE (DATE): 6 Sep 1997
DEFINITION (DEF): Mus musculus OCAM-GPI protein precursor mRNA, complete
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SOURCE: house mouse.
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NUCLEIC ACID COUNT (NA): 1584 a 927 c 922 g 1388 t
REFERENCE: 1 (bases 1 to 727)
      AUTHOR (AU): Yoshihara, Y.; Kawasaki, M.; Tamada, A.; Fujita, H.;
                        Hayashi, H.; Kagamiyama, H.; Mori, K.
      TITLE (TI): OCAM: A new member of the ***neural*** ***cell***
                        ***adhesion*** ***molecule*** family related to
                        zone-to-zone projection of olfactory and vomeronasal
                        axons
      JOURNAL (SO): J. Neurosci., 17 (15), 5830-5842 ( ***1997*** )
      OTHER SOURCE (OS): CA 127:201677
REFERENCE: 2 (bases 1 to 4821)
      AUTHOR (AU): Yoshihara, Y.
      TITLE (TI): Direct Submission
      JOURNAL (SO): Submitted (25-APR-1997) Department of Neuroscience,
                        Osaka Bioscience Institute, 6-2-4 Furuedai, Suita,
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L4 ANSWER 160 OF 387 GENBANK.RTM. COPYRIGHT 2004 on STN

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LOCUS (LOC): MMNCAM GenBank (R)
GenBank ACC. NO. (GBN): Y08360
GenBank VERSION (VER): Y08360.1 GI:2181946
CAS REGISTRY NO. (RN): 191310-80-2
SEQUENCE LENGTH (SQL): 288
MOLECULE TYPE (CI): mRNA; linear
DIVISION CODE (CI): Rodents
DATE (DATE): 5 Jun 1997
DEFINITION (DEF): M.musculus mRNA for ***neural*** ***cell***
***adhesion*** ***molecule***
SOURCE: house mouse.
ORGANISM (ORGN): Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Mammalia; Eutheria; Rodentia;
Sciurognathi; Muridae; Murinae; Mus
NUCLEIC ACID COUNT (NA): 81 a 88 c 66 g 53 t
COMMENT:
Related entries: X15049 & X14527.
REFERENCE: 1 (bases 1 to 288)
AUTHOR (AU): Lahrtz,F.; Horstkorte,R.; Cremer,H.; Schachner,M.;
Montag,D.
TITLE (TI): The vase encoded ***peptide*** modifies
***NCAM*** and L1 mediated neurite outgrowth
JOURNAL (SO): J. Neurosci. Res. In press
REFERENCE: 2 (bases 1 to 288)
AUTHOR (AU): Montag,D.
TITLE (TI): Direct Submission
JOURNAL (SO): Submitted (24-SEP-1996) D. Montag, Swiss Federal
Institute Of Technology, Department of Neurobiology,
ETH-Hoenggerberg HPM D25, Zurich, CH-8093, SWITZERLAND
REFERENCE: 3 (bases 1 to 288)
AUTHOR (AU): Santoni,M.J.; Barthels,D.; Vopper,G.; Boned,A.;
Goridis,C.; Wille,W.
TITLE (TI): Differential exon usage involving an unusual splicing
mechanism generates at least eight types of
***NCAM*** cDNA in mouse brain
JOURNAL (SO): EMBO J., 8 (2), 385-392 ( ***1989*** )
OTHER SOURCE (OS): CA 110:167245

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FEATURES (FEAT):
Feature Key Location Qualifier
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/strain="C57BL /6"

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241 agcaacacca tcggccagga ttcccagtc atgtacctcg aagttcaa

L4 ANSWER 161 OF 387 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): RNU37026 GenBank (R)
GenBank ACC. NO. (GBN): U37026
GenBank VERSION (VER): U37026.1 GI:1086496
CAS REGISTRY NO. (RN): 171150-55-3
SEQUENCE LENGTH (SQL): 873
MOLECULE TYPE (CI): mRNA; linear
DIVISION CODE (CI): Rodents
DATE (DATE): 7 Jan 1997
DEFINITION (DEF): Rattus norvegicus brain sodium channel beta 2 subunit
(SCNB2) mRNA, complete cds.
SOURCE: Norway rat.
ORGANISM (ORGN): Rattus norvegicus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Mammalia; Eutheria; Rodentia;
Sciurognathi; Muridae; Murinae; Rattus
NUCLEIC ACID COUNT (NA): 201 a 247 c 220 g 205 t
REFERENCE: 1 (bases 1 to 873)
AUTHOR (AU): Isom,L.L.; Ragsdale,D.S.; De Jongh,K.S.;
Westenbroek,R.E.; Reber,B.F.; Scheuer,T.;
Catterall,W.A.
TITLE (TI): Structure and function of the beta 2 subunit of brain
sodium channels, a transmembrane glycoprotein with a
CAM motif
JOURNAL (SO): Cell, 83 (3), 433-442 (***1995***)
OTHER SOURCE (OS): CA 124:79748
REFERENCE: 2 (bases 1 to 873)
AUTHOR (AU): Isom,L.L.; Ragsdale,D.S.; DeJongh; K.S.;
Westenbroek,R.E.; Reber,B.F.X.; Scheuer,T.;
Catterall,W.A.
TITLE (TI): Direct Submission
JOURNAL (SO): Submitted (26-SEP-1995) Lori L. Isom, Pharmacology,
University of Michigan, 1301 MSRB III, Ann Arbor, MI
48109-0632, USA

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..873	/organism="Rattus norvegicus"

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gene 1..873
sig-peptide 167..253
CDS 167..814

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/note="member of Ig superfamily;
contains cell adhesion molecule
motif; disulfide linked to sodium
channel alpha subunit; brain
specific"
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MFLQFRMKIINLKLRFGRVEFS
GNPSKYDVSVTLNKQLEDEGIYNCYITNPPDRH
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IVGASVGGFLAVVILVLMVVKCVRKKEQKLST
DLKTEEEGKTDGEGNAEDGAK"
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to neural cell adhesion molecule,
contactin"
/gene="SCNB2"
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domain"
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misc-feature 362..364
misc-feature 386..388
misc-feature 476..478
misc-feature 512..685
misc-feature 638..706
3'UTR 815..873

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361 gaactggact taccaggagt gtagcaattg ctacagaggag atgttcctcc agttccgaat
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481 cagtaagtac gacgtgtcag tgactctaaa gaacgtgcag ctagaagacg aaggcattta
541 caactgctac atcaccaacc ctccagaccg ccaccgtggc catggcaaga tctacctgca
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661 agtggggggg ttcttggtct tgggtcatct ggtgctgatg gtggtcaaat gtgtgaggag
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841 ctgtgtcctg tctcctctca ctctctgccc tgt
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LOCUS (LOC): RNU11031 GenBank (R)
GenBank ACC. NO. (GBN): U11031
GenBank VERSION (VER): U11031.1 GI:563132
CAS REGISTRY NO. (RN): 391554-10-2
SEQUENCE LENGTH (SQL): 4128
MOLECULE TYPE (CI): mRNA; linear
DIVISION CODE (CI): Rodents
DATE (DATE): 11 Mar 1995
DEFINITION (DEF): Rattus norvegicus ***neural*** ***cell***
adhesion ***molecule*** BIG-1 protein

SOURCE: Norway rat.
 ORGANISM (ORGN): Rattus norvegicus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Mammalia; Eutheria; Rodentia;
 Sciurognathi; Muridae; Murinae; Rattus

NUCLEIC ACID COUNT (NA): 1248 a 857 c 943 g 1080 t

REFERENCE: 1 (bases 1 to 4128)
 AUTHOR (AU): Yoshihara, Y.; Kawasaki, M.; Tani, A.; Tamada, A.;
 Nagata, S.; Kagamiyama, H.; Mori, K.
 TITLE (TI): BIG-1: a new TAG-1/F3-related member of the
 immunoglobulin superfamily with neurite
 outgrowth-promoting activity
 JOURNAL (SO): Neuron, 13 (2), 415-426 (***1994***)
 OTHER SOURCE (OS): CA 121:252218

REFERENCE: 2 (bases 1 to 4128)
 AUTHOR (AU): Yoshihara, Y.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (20-JUN-1994) Yoshihiro Yoshihara,
 Neuroscience, Osaka Bioscience Institute, Furuedai
 6-2-4, Suita, Osaka 565, Japan

FEATURES (FEAT):	Feature Key	Location	Qualifier
source	1..4128		/organism="Rattus norvegicus" /strain="Wistar" /db-xref="taxon:10116" /clone="B1-112, B1-202, B1-204 and B1-207" /tissue-type="brain" /dev-stage="adult"
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sig-peptide	51..107		

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LOCUS (LOC): GGNCAMLD GenBank (R)
 GenBank ACC. NO. (GBN): X04479
 GenBank VERSION (VER): X04479.1 GI:63655
 CAS REGISTRY NO. (RN): 140059-85-4
 SEQUENCE LENGTH (SQL): 1498
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Other vertebrates
 DATE (DATE): 28 Jul 1999
 DEFINITION (DEF): Gallus gallus partial N-CAM gene for ***neural***
 cell ***adhesion*** ***molecule***
 SOURCE: chicken.
 ORGANISM (ORGN): Gallus gallus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Archosauria; Aves; Neognathae;
 Galliformes; Phasianidae; Phasianinae; Gallus
 NUCLEIC ACID COUNT (NA): 351 a 431 c 332 g 384 t
 COMMENT:
 The difference between the ld and sd polypeptides from chicken
 brain N-CAM can be accounted for by a single exon of 783bp bounded
 by consensus splice sites and encoding a ***peptide*** of 261aa. For
 corresponding cDNA sequence see:
 Hemperly J.J., Murray B.A., Edelman G.M., Cunningham B.A.;
 'Sequence of a cDNA clone encoding the polysialic acid-rich and
 cytoplasmic domains of the ***neural*** ***cell***
 adhesion ***molecule*** N-CAM';
 Proc. Natl. Acad. Sci. USA. 83:3037-3041(1986).
 REFERENCE:
 1 (bases 1 to 1498)
 AUTHOR (AU): Murray, B.A.; Owens, G.C.; Prediger, E.A.; Crossin, K.L.;
 Cunningham, B.A.; Edelman, G.M.
 TITLE (TI): Cell surface modulation of the ***neural***
 cell ***adhesion*** ***molecule***
 resulting from alternative mRNA splicing in a
 tissue-specific developmental sequence
 JOURNAL (SO): J. Cell Biol., 103 (4), 1431-1439 (***1986***)
 OTHER SOURCE (OS): CA 106:132759

FEATURES (FEAT):	Feature Key	Location	Qualifier
source	1..1498		/organism="Gallus gallus" /db-xref="taxon:9031" /clone-lib="EMBL3B chicken genomic DNA"
intron	<1..174		/gene="N-CAM"
gene	1..1498		/gene="N-CAM"
exon	175..957		/gene="N-CAM"
mRNA	<175..>957		/gene="N-CAM" /product="neural cell adhesion molecule"
CDS	<175..>957		/gene="N-CAM" /note="large cytoplasmic domain (261aa)" /codon-start=2 /product="neural cell adhesion molecule" /protein-id="CAB51638.1" /db-xref="GI:5650545" /translation="HTADTAATVEDMLPSVTTGT TNSDTITETFATAQNSPTSETTTL TSSIAPPATAIPDSNAMSPGQATPAKAGASPVSP PPPSSTPKVAPLVDLSPTSSAPA TNNLSSSVLSNQGAVLSPSTVANMAETSKAAAGN KSAAPTANLTSPAPSEPKQEV STKSPEKEAAQPSTVKSPSTETAKNPSNPKSEAAS GGTTNPSQNEDFKMDEGTFKTPDI DLAKDVFAALGTTTPASVASGQARELASSTADSS VPAAPAKT"
misc-feature	340		/gene="N-CAM" /note="T is A in cDNA clone pEC208 (see CC)"
intron	958..1498		/gene="N-CAM"

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181 cgccgatacē gacagctacēg ttgaggacat gctgccttct gtaactacgg gcaācāctaa
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L4 ANSWER 164 OF 387 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): GGNCAMG GenBank (R)
 GenBank ACC. NO. (GBN): Z12128
 GenBank VERSION (VER): Z12128.1 GI:63653
 CAS REGISTRY NO. (RN): 147271-10-1
 SEQUENCE LENGTH (SQL): 1383
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Other vertebrates
 DATE (DATE): 17 Feb 1997
 DEFINITION (DEF): G.gallus gene encoding ***neural*** ***cell***
 adhesion ***molecule***
 SOURCE: chicken.
 ORGANISM (ORGN): Gallus gallus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Archosauria; Aves; Neognathae;
 Galliformes; Phasianidae; Phasianinae; Gallus
 NUCLEIC ACID COUNT (NA): 231 a 386 c 505 g 261 t
 REFERENCE: 1 (bases 1 to 1383)
 AUTHOR (AU): Colwell,G.; Li,B.; Forrest,D.; Brackenbury,R.
 TITLE (TI): Conserved regulatory elements in the promoter region of
 the N-CAM gene
 JOURNAL (SO): Genomics, 14 (4), 875-882 (***1992***)
 OTHER SOURCE (OS): CA 118:227018
 REFERENCE: 2 (bases 1022 to 1280)
 AUTHOR (AU): Cunningham,B.A.; Hemperly,J.J.; Murray,B.A.;
 Prediger,E.A.; Brackenbury,R.; Edelman,G.M.
 TITLE (TI): ***Neural*** ***cell*** ***adhesion***
 molecule : structure, immunoglobulin-like
 domains, cell surface modulation, and alternative RNA
 splicing
 JOURNAL (SO): Science, 236 (4803), 799-806 (***1987***)
 OTHER SOURCE (OS): CA 107:193265
 REFERENCE: 3 (bases 1 to 1383)
 AUTHOR (AU): Brackenbury,R.W.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (12-MAY-1992) Brackenbury R.W.; Anatomy and
 Cell Biology, University of Cincinnati Medical Center,
 231 Bethesda Ave., Cincinnati, Ohio, USA., 45267-0521

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..1383	/organism="Gallus gallus" /strain="Cornish white rock cockerel" /db-xref="taxon:9031" /clone="Cosmid G2C" /clone-lib="Cosmid library in pWE15 constructed by W.Gallin"
repeat-unit	63..370	/rpt-family="Chicken CR1 repetitive element"

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181	caagagggga	ggcgttggtt	agatgtgagg	gcggtgaggc	gctggcactg	ctgccccagag
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301	cctgagctgc	tgtttgacac	cttgatggtc	ttaaggctcc	tctccaacat	gagccattct
361	atgattctgt	ttatcgctct	ctacaactcc	ctgaaaggag	gttgtgtctga	ggtagggggt
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GenBank ACC. NO. (GBN): X06564
GenBank VERSION (VER): X06564.1 GI:56736
CAS REGISTRY NO. (RN): 140047-10-5
SEQUENCE LENGTH (SQL): 3170
MOLECULE TYPE (CI): mRNA; linear
DIVISION CODE (CI): Rodents
DATE (DATE): 3 Apr 1995
DEFINITION (DEF): Rat mRNA for 140-kD ***NCAM*** polypeptide.
SOURCE: Norway rat.
ORGANISM (ORGN): Rattus norvegicus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Mammalia; Eutheria; Rodentia;
Sciurognathi; Muridae; Murinae; Rattus
NUCLEIC ACID COUNT (NA): 922 a 878 c 783 g 587 t
COMMENT:
Data kindly reviewed (06-JUL-1988) by Akeson R.
REFERENCE: 1 (bases 1 to 3170)

TITLE (TI): Identification of a cDNA clone that contains the complete coding sequence for a 140-kD rat polypeptide ***NCAM***

JOURNAL (SO): J. Cell Biol., 105 (5), 2335-2345 (***1987***)

OTHER SOURCE (OS): CA 108:125556

REFERENCE: 2 (bases 2304 to 2305)

AUTHOR (AU): Akeson, R.

TITLE (TI): Direct Submission

JOURNAL (SO): Submitted (06-JUL-1988)

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..3170	/organism="Rattus norvegicus" /db-xref="taxon:10116" /clone="pR18" /tissue-type="brain" /clone-lib="pBR322"
sig-peptide	209..265	/note="NCAM polypeptide precursor (AA -19 to 839)"
CDS	209..2785	/codon-start=1 /protein-id="CAA29809.1" /db-xref="GI:56737" /db-xref="SWISS-PROT:P13596" /translation="MLRTKDLIWTFLFGLGTAVSL QVDIVPSQGEISVGESKFFLCQVA GDAKDKDISWFSFNGEKLSPNQQRISVVWNNDDDS STLTIYNANIDDAIYKCVVTAED GTQSEATVNVKIFQKLMFKNAPTQPEFKEGEDAV IVCDVVSSLPPTIIWKHKGRDVIL KKDVRFIVLSNNYLQIRGIKKTDEGTYRCEGRIL ARGEINFKDIQVIVNVPPTVQARQ SIVNATANLGQSVTLVCDADGFPEPTMSWTKDGE PIENEEEDDEKHIFSDDSSELTIR NVDKNDEAEYVCIAENKAGEQDAS IHLKVFAKPK ITYVENQTAMELEEQVTLTCEASG DPIPSITWRTSTRNISSEKASWTRPEKQETLDG HVVVRSHARVSSLTLKSIQYTDAG EYICTASNTIGQDSQSMYLEVQYAPKLQGPVAVY TWEQNVNITCEVFAYPSATISWF RDGQLLPSSNYSNIKIYNTPSASYLEVTPDSEND FGNYNCTAVNRIGQESLEFILVQA DTPSSPSIDRVEPYSSAQVQFDEPEATGGVPIL KYKAEWKS LGEEAWHSKWYDAKEA NMEGIVTIMGLKPETRYAVRLAALNGKGLGEISA ATEFKTQPVREPSAPKLEGQMGED GNSIKVNLIKQDDGGSPIRHYLVKYRALASEWKP EIRLPSSGDHVMKSLDWNAEYEV YVVAENQQGKS KAAHFVFR TSAOPTAIPANGSPT AGLSTGAIVGILIVIFVLLLVMD ITCYFLNKCGLLMCIAVNLCKGAGPGAKGKMEE GKAAFSKDESKEPIVEVRTEEERT PNHDGGKHTEPNETPLTEPEKGPVETKSEPQES EAKPAPTEVKTVPNEATQTKENES KA"
mat-peptide	266..2782	/product="mat. NCAM polypeptide (AA 1-839)"
misc-feature	662..676	/note="pot. heparin-binding domain"
misc-feature	689..703	/note="pot. heparin-binding domain"
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misc-feature	2372..2425	/citation=[1] /note="put. transmembrane sequence"

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LOCUS (LOC): MMNCAMRI GenBank (R)
GenBank ACC. NO. (GBN): X15049 X15048 Y00818
GenBank VERSION (VER): X15049.1 GI:53350
CAS REGISTRY NO. (RN): 139818-84-1
SEQUENCE LENGTH (SQL): 2262
MOLECULE TYPE (CI): mRNA; linear
DIVISION CODE (CI): Rodents
DATE (DATE): 4 Dec 1998
DEFINITION (DEF): Mouse common mRNA of ***NCAM*** isoforms.
SOURCE: house mouse.
ORGANISM (ORGN): Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi; Mammalia; Eutheria; Rodentia;
Sciurognathi; Muridae; Murinae; Mus
NUCLEIC ACID COUNT (NA): 611 a 622 c 589 g 440 t
COMMENT:
See also acc# x14402, x14403, x14526, x14527, x15050, x15051 and
x15052.
REFERENCE: 1 (bases 1 to 2262)
AUTHOR (AU): Wille,W.E.
TITLE (TI): Direct Submission
JOURNAL (SO): Submitted (07-APR-1989) Wille W.E., Institute for
Genetics, Weyertal 121, D-5000 Koeln 41
OTHER SOURCE (OS): CA 110:167245
REFERENCE: 2 (bases 1 to 2262)
AUTHOR (AU): Santoni,M.J.; Barthels,D.; Vopper,G.; Boned,A.;
Goridis,C.; Wille,W.
TITLE (TI): Differential exon usage involving an unusual splicing

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NCAM cDNA in mouse brain --
 JOURNAL (SO): EMBO J., 8 (2), 385-392 (***1989***)
 OTHER SOURCE (OS): CA 110:167245

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..2262	/organism="Mus musculus" /strain="C57BL/6" /db-xref="taxon:10090" /tissue-type="brain" /dev-stage="neonatal and adult" /note="signal peptide (AA -19 to -1)"
sig-peptide	162..218	/codon-start=1 /product="cell adhesion molecule (AA 1 - 681) (2262 is 1st base in codon)"
CDS	219..>2262	/protein-id="CAA33148.1" /db-xref="GI:2181948" /translation="MQVDIVPSQGEISVGESKFF LCQVAGDAKDKDISWFSPNGEKL PNQQRISVVWDDSSSTLTIYNANIDDA GIIYKCV VTAEDGTQSEATVNVKIFQKLMFK NAPTPOEFKEGEDAVIVCDVVSSLPT TIIWKHKG RDVILKKDVRFIVLSNNYLQIRGI KKTDEGTYRCEGRILARGEINFKD IQVIVNVPPT VQARQSIVNATANLGQSVTLVCD A DGFPEPTMSWTKDGEPIENEEED DEKHIFSDSS ELTIRNVDKNDEAEYVCIAENKAG EODASIHLLKVFAPKITYVENQT AMELEEQVTLT CEASGDPIPSITWRTSTRNISSE E KTLDGHMVVRSHARVSSLTLKSI QYRDAGEYMCT ASNTIGQDSQSIDLEFQYAPKLQ G PVAVYTWEQNQVNITCEVFAYPS ATISWFRDQGL LPSSNYSNIKIYNTPSASYLEVTP DSENDFGNYNCTAVNRIGQESLE FILVQADTPSS PSIDRVEPYSSSTAQVQFDEPEAT G GVPIILKYKAEWKSLGEESWHFK WYDAKEANMEGI VTIMGLKPETRYSVRLAALNGKGL GEISAATEFKTQPVREPSAPKLEG QMGEDGNSIK VNLIKQDDGGSPIRHYLVKYRALA SEWKPEIRLPSGSDHVMLKSLD WNAEYEVYVVAE NQQGSKAAHFVFR TSAQPTAIP" /note="Ig-like domains" /note="extracellular domain" /note="alternative splice site pi" /note="alternative splice site a"
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661	tagtcctgt	c	ca	acaactac	ctgcagat	ca	ggggcatca	aa	gaaaacag	at	gagggtact	t
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L4 ANSWER 167 OF 387 GENBANK.RTM. COPYRIGHT 2004 on STN

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 GenBank VERSION (VER): Y00051.1 GI:53342
 CAS REGISTRY NO. (RN): 140042-47-3
 SEQUENCE LENGTH (SQL): 2583
 MOLECULE TYPE (CI): mRNA; linear
 DIVISION CODE (CI): Rodents
 DATE (DATE): 23 Mar 1995
 DEFINITION (DEF): Mouse mRNA for ***neural*** ***cell***
 adhesion ***molecule*** (***NCAM***).
 SOURCE: house mouse.
 ORGANISM (ORGN): Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Mammalia; Eutheria; Rodentia;
 Sciurognathi; Muridae; Murinae; Mus
 NUCLEIC ACID COUNT (NA): 711 a 738 c 642 g 492 t
 REFERENCE: 1 (bases 1 to 2583)
 AUTHOR (AU): Wille,W.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (02-MAR-1987) Dr. Wolfgang Wille, Institut
 fuer Genetik Universitaet zu Koeln, Weyertal 121, 5000
 Koeln 41, F.R.G
 REFERENCE: 2 (bases 1 to 2568)
 AUTHOR (AU): Barthels,D.; Santoni,M.J.; Wille,W.; Ruppert,C.;
 Chaix,J.C.; Hirsch,M.R.; Fontecilla-Camps,J.C.;
 Goridis,C.
 TITLE (TI): Isolation and nucleotide sequence of mouse ***NCAM***
 cDNA that codes for a Mr 79,000 polypeptide without a
 membrane-spanning region
 JOURNAL (SO): EMBO J., 6 (4), 907-914 (***1987***)
 OTHER SOURCE (OS): CA 107:71875

FEATURES (FEAT):

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/product="mature NCAM (AA 1-706) "
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 misc-feature 2337..2583
 polyA-site 2568

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L4 ANSWER 168 OF 387 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): HSNCAML1 GenBank (R)
 GenBank ACC. NO. (GBN): X59847
 GenBank VERSION (VER): X59847.1 GI:35009
 CAS REGISTRY NO. (RN): 384448-26-4
 SEQUENCE LENGTH (SQL): 3774
 MOLECULE TYPE (CI): mRNA; linear
 DIVISION CODE (CI): Primates

DEFINITION (DEF): H.sapiens mRNA for ***neural*** ***cell***
 adhesion ***molecule*** L1.
 SOURCE: human.
 ORGANISM (ORGN): Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini;
 Hominidae; Homo
 NUCLEIC ACID COUNT (NA): 854 a 1154 c 1092 g 674 t
 REFERENCE: 1 (bases 1 to 3774)
 AUTHOR (AU): Kobayashi, M.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (28-MAY-1991) M. Kobayashi, Dept of
 Physiology, Keio University School of Medicine, 35
 Shinanomachi, Shinjuku-ku, Tokyo 160, Japan
 REFERENCE: 2 (bases 1 to 3774)
 AUTHOR (AU): Kobayashi, M.; Miura, M.; Asou, H.; Uyemura, K.
 TITLE (TI): Molecular cloning of cell adhesion molecule L1 from
 human nervous tissue: a comparison of the primary
 sequences of L1 molecules of different origin
 JOURNAL (SO): Biochim. Biophys. Acta, 1090 (2), 238-240 (***1991***
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 OTHER SOURCE (OS): CA 118:18142

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 SEQUENCE LENGTH (SQL): 1846
 MOLECULE TYPE (CI): mRNA; linear
 DIVISION CODE (CI): Primates
 DATE (DATE): 9 Dec 1995
 DEFINITION (DEF): Human mRNA for intercellular adhesion molecule-1
 ICAM-1.
 SOURCE: human.
 ORGANISM (ORGN): Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
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 NUCLEIC ACID COUNT (NA): 416 a 580 c 531 g 319 t
 REFERENCE: 1 (bases 1 to 1846)
 AUTHOR (AU): Simmons, D.; Makgoba, M.W.; Seed, B.
 TITLE (TI): ICAM, an adhesion ligand of LFA-1, is homologous to the
 neural ***cell*** ***adhesion***
 molecule ***NCAM***
 JOURNAL (SO): Nature, 331 (6157), 624-627 (***1988***)
 OTHER SOURCE (OS): CA 108:217105

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L4 ANSWER 171 OF 387 GENBANK.RTM. COPYRIGHT 2004 on STN

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AUTHOR (AU): Noonan,D.M.; Horigan,E.A.; Ledbetter,S.R.; Vogeli,G.;
Sasaki,M.; Yamada,Y.; Hassell,J.R.
TITLE (TI): Identification of cDNA clones encoding different
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proteoglycan
JOURNAL (SO): J. Biol. Chem., 263 (31), 16379-16387 ( ***1988*** )
OTHER SOURCE (OS): CA 109:184747
REFERENCE: 2 (bases 1 to 12667)
AUTHOR (AU): Noonan,D.M.; Fulle,A.; Valente,P.; Cai,S.; Horigan,E.;
Sasaki,M.; Yamada,Y.; Hassell,J.R.
TITLE (TI): The complete sequence of perlecan, a basement membrane
heparan sulfate proteoglycan, reveals extensive
similarity with laminin A chain, low density
lipoprotein-receptor, and the ***neural***
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JOURNAL (SO): J. Biol. Chem., 266 (34), 22939-22947 ( ***1991*** )

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601	cgttgctgct	ggggctgctg	ctgcacgcgc	ggctgctagc	ggtgacgcac	gggctgaggg
661	ctacgatgg	cccttccctc	cctgaggaca	cagagactgt	cacagcgagc	cggtatggct
721	ggacctactc	atacctctct	gatgatgagg	acctgctggc	agatgatgca	tcaggagatg
781	gccttggcag	cggagatgtg	ggcagcgggg	acttccagat	ggtctatttc	cgggctctgg
841	taaattttac	gcggtccatt	gagtacagcc	cccagctgga	ggatgcaagt	gccaaggagt
901	tccgagaggt	gtcggaggct	gtggtagaaa	agctggagcc	cgaatacagg	aagatccccg
961	gagaccagat	tgtcagtgtg	gtgttcatca	aggaactgga	tggctgggtc	tttgttgagc
1021	tggatgttgg	ctccgaaggg	aatgcgagcg	gatctcagat	tcaagaggtg	ctgcatacag
1081	tggctctccag	tggctccatc	ggccccatg	tcacctcccc	ctgggggttc	aagttccgac
1141	gcctgggcac	agtgcgccag	ttcccaagag	tctgcacgga	gacggagttt	gcttgccaca
1201	gctataatga	gtgtgtggct	ctggagtatc	gttgtagacc	gaggcctgac	tgcagggaca
1261	tgtctgatga	actcaactgt	gaggaaccag	tccccgagct	cagctccctc	acacctgctg
1321	tggggaaaggt	gtcaccttta	ccactctggc	cagaagcagc	cacaacacct	ccaccgcagc
1381	tcacgcattg	acctcagttt	ctgttaccct	gtgttccctg	gccctcagcc	tgtgggcccc
1441	aggaggccctc	gtgccacagc	ggacactgca	tcccccgaga	ctacctctgt	gatggacagg
1501	aagactgcag	ggatggcagt	gacgaactgg	gctgtgcgtc	ccctccacct	tgtgagccta
1561	acgagttcgc	ctgtgaaaat	gggcaactgt	ctctcaagtt	gtggcgctgt	gacggtgact
1621	ttgattgtga	ggaccggaca	gatgaggcca	attgttctgt	caagcagcct	ggagaagtat
1681	gtggggccac	gcacttccag	tgtgtctcca	ccaaccgctg	catcccagcc	agcttccact
1741	gtgacgagga	atccgactgt	cccgcactgc	gtgatgagtt	tggctgcatg	cctccccagg
1801	tagtgacgcc	tccacagcag	tccatccagg	cttcccgggg	ccagacagtg	actttcacct
1861	gcgtagccac	tgggtgtccc	acacccatca	tcaactggag	gctcaactgg	ggccacatcc
1921	ctgctcatcc	cagggtgaca	atgaccagcg	aggggtggcg	tggcacgctg	atcatccgtg
1981	acgtgaagga	ggcagaccag	ggcgcataca	cctgtgaggc	catgaactcg	cgtggcatgg
2041	tgttcggcat	tccagacggc	gtgctggagc	ttgtcccgcg	gcgagggccc	tgcctgacg
2101	ggcacttcta	cctggaagac	agtgcctcct	gectgccctg	cttctgcttt	gggtgtgacca
2161	acgtgtgcca	gagcagcctg	cgcttccggg	accagatccg	actgagcttt	gaccagccca
2221	atgacttcaa	gggtgtgaat	gtgacgatgc	cctcccagcc	tggcgtgcca	cccctctcct
2281	ccacccagct	gcagatcgac	cccgccttgc	aggagtccca	gctggtcgac	ctgtctcgcc
2341	gcttccttgt	ccacgatgct	ttctggggcc	tacccaagca	gtttctgggc	aacaagggtg
2401	actcctatgg	aggcttctct	cgctacaagg	tgcgctatga	actggcacga	ggcatgctgg
2461	agccagtgta	gaaaccagat	gtgatccttg	tgggtgcggg	gtaccgccta	cactctcgag
2521	gccacacccc	cacccatcct	ggaaactctga	accagcgtca	ggtccagctc	tcagaggaac
2581	actgggtcca	cgagtctggc	cggcctgtcc	agcgggctga	gatgctgcag	gccctggcga
2641	gcctggaggc	tgtcctgcta	cagacagtat	ataacaccaa	gatggccagt	gtgggactga
2701	gtgacattgt	catggacacc	actgtcaccc	ataccaccat	ccatggcccg	gctcacagtg
2761	tggaggagtg	cagatgcccc	attggctatt	ctggtttgtc	ttgcgagagc	ttgcgatgcc
2821	acttcaccgc	agtgcctggg	gggccttacc	tgggtacttg	ctctggctgt	aattgcaatg
2881	gcatgcccag	ctcctgtgac	cctgtctacg	gccactgcct	gaattgccag	cacaacacag
2941	aaggacctca	gtgtgacaag	tgtaaagcct	gcttcttttg	agatgccaca	aaggccacag
3001	ccactgcctg	ccggccctgt	ccctgcccct	acatcgacgc	ttcccgaagg	ttctcagaca
3061	cttgcttcc	ggacacagac	ggccaagcca	cttgcgacgc	ttgtgcccc	ggttacacag
3121	gccgcgcgtg	tgagagctgt	ggccctggat	atgaaggcaa	ccccctcag	cctggcgagg
3181	agtgcaggcc	caccacccag	gaaattgtgc	gctgtgatga	gcgagggagc	ctgggcacct
3241	caggggagac	ttgccgctgt	aagaacaacg	tagtggggcg	cttgtgcaac	gagtgtctcg
3301	acggctcggt	ccacctgagc	aagcaaaacc	cggacggctg	cctcaagtgc	ttttgcatgg
3361	gagtcagtgc	ccagtgcagc	agctcctcct	ggagccgcgc	ccaggtgtct	ggggcctcgg
3421	aacagccctc	tcagttcagc	ctgagcaacg	ccgctggcac	ccacaccacc	agcgaggggg
3481	tctcgteccc	tgcacccggg	gagctgtcgt	tctcttccct	ccacaacctc	ctgtctgaac
3541	cctacttctg	gagtcttccc	gccagcttcc	gaggggacaa	ggtgacgtcc	tacggcgag
3601	agctgcgctt	cactgtgatg	cagagggccc	ggcccagttc	tgcgcccctg	cacagacagc
3661	ccctgtgggt	gtttgagggc	aacaacattg	tgttgagaca	tcatgcctcg	agggatccca
3721	gccctggcca	gcccagcaac	ttcatagtgc	ccttccaaga	gcaagcgtgg	cagcggcctg
3781	atgggcagcc	ggccacacgg	gagcacctgc	tgatggccct	cgcaggcatt	gatgccctcc
3841	tcataccaagc	atcttacacg	cagcaaccgg	ctgagagcag	gctctctggt	atcagcatgg

3961	gc̄cc̄cc̄ctḡg	ttac̄cḡggc	cct̄t̄c̄ctḡc̄c	aggac̄t̄gtgā	cc̄ac̄aḡgt̄tāc	ac̄ac̄ḡc̄gtḡc
4021	ctagc̄gḡgct	ctac̄ct̄gḡg	ac̄ct̄gt̄gaḡc	gct̄gt̄aact̄g	ccat̄gḡccac	tcagagac̄ct
4081	gt̄gaḡc̄ctga	gac̄aḡgḡg	tḡccagaḡct	gcc̄aḡcac̄ca	cac̄gḡaḡgḡt	gct̄aḡct̄gt̄g
4141	aac̄aḡgt̄cca	gccc̄aḡgt̄ac	tat̄gḡgḡat̄g	ccc̄aac̄gḡgḡ	cac̄acc̄ac̄ag	gact̄ḡcc̄aḡc
4201	cct̄ḡcc̄cat̄g	ctac̄gḡaḡcc	cct̄ḡct̄ḡct̄g	gcc̄aaḡct̄ḡc	ccac̄act̄t̄gt̄	tt̄c̄ct̄gḡaca
4261	cagat̄gḡcca	cccc̄ac̄ct̄gt̄	gact̄cat̄ḡct̄	cacc̄aḡḡaca	caḡc̄gḡgḡc̄gt̄	cact̄gt̄ḡaga
4321	ggt̄gt̄ḡcccc	agḡtt̄act̄at̄	gḡcaac̄cc̄ca	gcc̄aḡgḡcca	gccc̄t̄ḡcc̄ac	agagat̄gḡt̄c
4381	agḡtḡcc̄aga	ggt̄gt̄ct̄gḡg	tgt̄gḡct̄gt̄g	ac̄cc̄cc̄at̄gḡ	caḡcat̄caḡc	agḡagt̄gt̄g
4441	ac̄ḡcc̄ḡct̄gḡ	tc̄agt̄ḡcc̄aḡ	tḡt̄caaḡgḡc̄c	agḡtḡgḡaḡgḡ	cc̄gt̄tt̄ct̄t̄ḡc	agt̄cact̄ḡcc
4501	gac̄ct̄cac̄ca	ct̄t̄cc̄ac̄ct̄ḡ	agt̄ḡcc̄aḡca	ac̄cc̄gḡaaḡḡ	ct̄ḡc̄ct̄ḡcc̄c	tgt̄tt̄ct̄ḡca
4561	tgḡgt̄gt̄cac	cc̄aḡcaḡt̄ḡc	gcc̄aḡct̄c̄ct̄	ct̄t̄act̄cc̄cḡ	cc̄aḡct̄gat̄c	t̄ct̄ac̄cc̄act̄
4621	tt̄gt̄ct̄c̄ct̄ḡg	gḡact̄t̄cc̄aa	gḡct̄tt̄gt̄ct̄c	tgt̄tḡaacc̄c	tcaac̄ḡcaac	aḡccaact̄ga
4681	caḡgḡgḡḡct̄t̄	cacc̄gt̄gḡaa	cc̄agt̄ḡcac̄ḡ	at̄gḡgḡcc̄cḡ	c̄ct̄ct̄c̄tt̄tc	aḡcaact̄tt̄g
4741	ccc̄ac̄ct̄c̄gḡ	ccaaḡaḡt̄cc̄	tt̄ct̄act̄gḡc	aḡct̄ḡcc̄aga	aat̄atacc̄aa	gḡaḡacaaḡḡ
4801	tgḡcaḡc̄cta	tgḡc̄gḡgaaḡ	ct̄ḡc̄gḡt̄aca	c̄c̄ct̄ct̄c̄cta	cac̄aḡc̄gḡgḡ	cc̄ac̄aḡgḡca
4861	gḡcc̄act̄c̄tt̄	gḡac̄cc̄t̄gat̄	at̄cc̄aḡatta	c̄gḡḡcaataa	cat̄cat̄gt̄tt̄ḡ	gt̄gḡct̄t̄ccc̄
4921	aḡcc̄aḡc̄act̄	ac̄aḡgḡcc̄ca	gaḡaḡḡaḡga	ḡct̄at̄ḡaḡat̄	cat̄ct̄t̄cc̄ga	gaḡḡaḡtt̄ct̄
4981	gḡc̄gḡc̄gḡcc̄	aḡat̄gḡac̄aḡ	c̄ct̄ḡc̄ḡacc̄c	gaḡaḡc̄att̄t̄	ḡct̄cat̄gḡcc̄	ct̄gḡc̄aḡat̄c
5041	tgḡat̄gaact̄	t̄ct̄ḡgt̄ḡc̄gḡ	gcc̄ac̄att̄ct̄	c̄ct̄ct̄gt̄ḡcc̄	ac̄gḡgḡc̄aḡcc̄	agt̄at̄caḡt̄g
5101	cc̄gt̄ḡaḡc̄ct̄	agaaḡgt̄ḡcc̄	caḡcc̄aḡgḡc̄	c̄ct̄cc̄aḡt̄gḡ	ac̄cc̄cḡaḡcc̄	ct̄c̄aḡgt̄gḡ
5161	aaḡagt̄gt̄c̄ḡ	ct̄ḡcc̄cc̄cc̄ca	gḡct̄at̄gt̄tt̄ḡ	ḡct̄gt̄ct̄c̄ct̄ḡ	cc̄aḡḡact̄gt̄	ḡcc̄cc̄gḡgḡct̄
5221	ac̄act̄c̄ḡcac̄	tgḡḡaḡc̄ḡga	ct̄gt̄ac̄c̄ct̄t̄ḡ	gt̄caḡt̄ḡc̄ga	gt̄t̄gt̄gt̄ḡaa	t̄ḡcaac̄gḡcc̄
5281	act̄cc̄ḡact̄t̄	gt̄gt̄c̄acc̄cḡ	gaḡact̄gḡaḡ	c̄ct̄ḡct̄c̄ḡc̄ḡ	at̄gt̄c̄aḡcac̄	aac̄ac̄aḡct̄ḡ
5341	gt̄gaḡtt̄ct̄ḡ	t̄gaḡct̄gt̄gt̄	ḡcaact̄gḡtt̄	act̄at̄gḡaga	t̄ḡcc̄ac̄gḡct̄	gḡḡac̄ḡc̄ct̄ḡ
5401	agḡatt̄ḡcca	ḡcc̄ct̄gt̄ḡcc̄	t̄ḡcc̄cḡct̄ga	ccaac̄cc̄aga	gaac̄at̄gt̄tc̄	t̄ccc̄ḡcac̄ct̄
5461	gt̄gaḡaḡc̄ct̄	tgḡaḡct̄ḡga	gḡgt̄acc̄ḡct̄	ḡcacc̄ḡc̄ct̄ḡ	tgaac̄t̄gḡc̄	tac̄act̄gḡgḡ
5521	agt̄act̄gt̄ga	ḡcaḡt̄gt̄ḡcc̄	cc̄aḡḡct̄at̄ḡ	aaḡgt̄ḡacc̄c	caat̄gt̄acāa	gḡaḡgḡc̄gḡt̄
5581	gḡcc̄aḡc̄act̄	gac̄aaaaḡaḡ	t̄cc̄ct̄gḡaḡḡ	t̄tc̄aḡat̄cca	t̄cc̄at̄ct̄c̄gḡ	aḡc̄gt̄gḡtt̄c̄
5641	ccc̄aaḡgḡc̄ḡḡ	ccc̄ac̄act̄cc̄	ct̄gaḡgt̄ḡcc̄	agḡt̄caḡt̄gḡ	gaḡccc̄acca	cact̄act̄t̄ct̄
5701	act̄gḡt̄ccc̄ḡ	tgaaḡat̄ḡga	c̄gḡc̄c̄ct̄t̄ḡc̄	cc̄aḡc̄aḡc̄ḡc̄	tcaac̄aḡc̄gḡ	cat̄caaḡḡct̄
5761	ct̄gaḡct̄cca	c̄tt̄cc̄ct̄aḡc̄	gt̄ḡc̄aḡcc̄ct̄	cc̄ḡac̄ḡcc̄gḡ	c̄gt̄ct̄ac̄at̄c̄	tgt̄ac̄ct̄ḡcc̄
5821	gaaac̄ct̄gat̄	t̄cac̄ac̄ḡaḡc̄	aac̄aḡc̄aḡgḡ	ct̄gaḡct̄act̄	gḡt̄c̄gt̄taḡ	ḡct̄cc̄c̄aḡca
5881	aḡcc̄cat̄cat̄	gḡt̄gac̄aḡt̄ḡ	gaḡḡaḡc̄aḡḡ	gḡaḡcc̄aḡaḡ	tgt̄ḡc̄gḡccc̄	gḡaḡct̄ḡaḡc̄
5941	t̄cac̄ct̄t̄cat̄	ct̄gt̄ac̄gḡcc̄	aaḡaḡcaāat̄	ccc̄c̄aḡc̄cta	cac̄cc̄t̄gḡta	tgḡacc̄cḡt̄c̄
6001	t̄gc̄acaac̄gḡ	gaaḡct̄ḡcc̄ḡ	t̄cc̄cḡt̄ḡcta	tgḡact̄t̄caa	tgḡcat̄c̄ct̄ḡ	acc̄at̄t̄c̄ḡca
6061	at̄gt̄ḡc̄aḡcc̄	aaḡt̄gac̄ḡc̄ḡ	gḡcac̄ct̄ac̄ḡ	tgt̄gt̄act̄gḡ	ct̄ccaac̄at̄ḡ	tt̄c̄ḡct̄at̄gḡ
6121	acc̄aḡgḡcac̄	aḡcc̄ac̄act̄ḡ	cat̄gt̄t̄c̄aḡḡ	t̄ct̄c̄aḡḡcac̄	ct̄cc̄act̄ḡcc̄	c̄ct̄gt̄gḡc̄ct̄
6181	cc̄atac̄ac̄cc̄c̄	t̄cc̄ac̄aḡct̄c̄	acc̄gt̄ḡc̄aḡc̄	c̄gḡḡacaaca	gḡct̄gaḡtt̄c̄	c̄ḡct̄gt̄aḡc̄ḡ
6241	cc̄ac̄gḡgḡḡaa	cccc̄ac̄cc̄cc̄c̄	at̄ḡct̄ḡgāat̄	gḡat̄aḡgḡgḡ	t̄c̄ct̄aḡc̄gḡc̄	caḡct̄t̄c̄ct̄ḡ
6301	cgaaḡḡct̄ca	gat̄cc̄acaac̄	gḡcat̄c̄ct̄ḡc̄	ḡct̄t̄ḡcc̄aḡc̄	cat̄t̄gaac̄cc̄	t̄c̄gḡat̄c̄aḡḡ
6361	gḡcc̄agt̄ac̄ct̄	gt̄ḡcc̄gt̄ḡcc̄	ct̄c̄aḡc̄aḡc̄ḡ	ct̄gḡḡc̄aḡca	tgt̄gḡcc̄aḡḡ	ḡct̄at̄ḡct̄t̄c̄
6421	agḡt̄ḡc̄ac̄gḡ	gḡḡc̄aḡt̄ḡga	ccc̄aḡgḡt̄cc̄	agḡtt̄aḡcc̄c̄	c̄gaḡaḡḡacc̄	caḡgt̄ḡcat̄ḡ
6481	aaḡḡcc̄ḡcac̄	agt̄gaḡḡct̄ḡ	tact̄ḡc̄aḡgḡḡ	caḡc̄aḡgḡgt̄	ac̄cc̄aḡt̄ḡcc̄	aḡcat̄c̄ac̄ct̄
6541	gḡaḡgaaḡga	gḡḡaḡḡc̄aḡc̄	ct̄ḡcc̄att̄ca	gac̄acc̄aḡgḡc̄	cc̄at̄gḡct̄ct̄	c̄gt̄ct̄ac̄gḡc̄
6601	tac̄acc̄ac̄at̄	gt̄c̄gḡt̄gḡct̄	gact̄c̄cḡgḡc̄ḡ	agt̄at̄gt̄gt̄ḡ	c̄cḡaḡcc̄aac̄	aacaac̄att̄ḡ
6661	at̄ḡccc̄aḡga	gac̄ct̄cc̄at̄c̄	at̄gat̄ct̄c̄gḡ	t̄ct̄cc̄ct̄taḡ	cac̄caac̄aḡc̄	cccc̄ct̄ḡcc̄c̄
6721	cc̄ḡcc̄aḡccc̄	t̄gc̄ac̄cc̄at̄c̄	agaat̄aḡaḡt̄	ct̄t̄c̄ct̄ct̄t̄c̄	ac̄gt̄gt̄gḡcc̄	gaaḡḡac̄aga
6781	cc̄ct̄gḡat̄ct̄	gaact̄gt̄gt̄ḡ	gt̄cc̄ct̄gḡgḡc̄	ac̄ḡcc̄cat̄ḡc̄	cc̄aḡgt̄c̄aca	tgḡc̄acaaḡc̄
6841	gaḡgḡgḡtaḡ	c̄ct̄ḡcc̄c̄act̄	cat̄cat̄c̄aga	c̄ḡcat̄gḡct̄c̄	aaḡgt̄ḡc̄gḡ	ct̄atacc̄aḡḡ
6901	t̄gt̄c̄ct̄c̄aḡc̄	c̄ḡact̄c̄gḡgḡc̄	gaat̄at̄gt̄gt̄	ḡcaḡc̄gt̄t̄ct̄	gaḡc̄aḡct̄ct̄	gḡcc̄ct̄ct̄gḡ
6961	agḡct̄t̄cc̄gt̄	c̄ct̄gḡt̄ct̄c̄ḡ	att̄ac̄acc̄aḡ	ct̄ḡc̄cḡct̄aa	tgt̄cc̄ac̄at̄c̄	gt̄c̄gḡt̄gt̄aḡ
7021	t̄ccc̄ḡcc̄c̄ct̄	c̄cḡcat̄c̄ḡaḡ	act̄t̄c̄ct̄c̄ct̄	ccc̄ḡaḡt̄gḡc̄	t̄gaḡgḡgḡc̄aḡ	ac̄cc̄t̄gḡat̄c̄
7081	taaḡct̄gt̄gt̄	gḡtt̄c̄ct̄gḡḡ	caḡgḡcc̄cat̄ḡ	ccc̄aḡgt̄cac̄	at̄gḡc̄acāaa	c̄gt̄gḡaḡgḡca
7141	gc̄ct̄ḡcc̄cḡc̄	tgḡḡc̄acc̄aḡ	gt̄cc̄at̄gḡcc̄	ac̄at̄gt̄ct̄ḡaḡ	act̄gaac̄c̄gt̄	gt̄gt̄ccc̄cḡḡ
7201	c̄gḡact̄ct̄gḡ	c̄gaḡt̄act̄ca	t̄ḡccaaḡt̄ga	c̄gḡḡc̄aḡct̄c̄	agḡt̄ac̄c̄ct̄ḡ	gaḡḡct̄t̄ct̄ḡ
7261	t̄c̄ct̄gḡt̄cac̄	cat̄c̄ḡaḡgḡcc̄	t̄ct̄gaac̄cc̄ca	ḡcc̄ct̄at̄ccc̄	t̄ḡcc̄c̄ct̄gḡc̄	ct̄gḡcc̄c̄aḡc̄
7321	ct̄gt̄ct̄ac̄at̄	aḡaḡt̄c̄ct̄cc̄	t̄c̄ct̄cc̄c̄att̄	t̄gact̄gaaḡḡ	ḡcaḡact̄ḡta	gt̄ct̄ḡaaḡt̄
7381	gc̄gt̄gḡt̄acc̄	agḡḡcaaḡcc̄	cat̄ḡcc̄c̄aḡḡ	t̄c̄ac̄at̄gḡca	caaac̄ḡaḡgḡ	aḡc̄aḡc̄ct̄ḡc̄
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 mRNA, complete cds.
 SOURCE: X.laevis neurula, cDNA to mRNA, clone N1.
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 REFERENCE: 1 (bases 1 to 3720)
 AUTHOR (AU): Krieg,P.A.; Sakaguchi,D.S.; Kintner,C.R.
 TITLE (TI): Primary structure and developmental expression of a
 large cytoplasmic domain form of Xenopus laevis
 neural ***cell*** ***adhesion***
 molecule (***NCAM***)
 JOURNAL (SO): Nucleic Acids Res., 17 (24), 10321-10335 (***1989***)
 OTHER SOURCE (OS): CA 112:155534

FEATURES (FEAT):

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 GenBank VERSION (VER): M15936.1 GI:212428
 CAS REGISTRY NO. (RN): 139833-02-6
 SEQUENCE LENGTH (SQL): 681
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Other vertebrates
 DATE (DATE): 8 Aug 1995
 DEFINITION (DEF): Chicken ***neural*** ***cell*** -
 adhesion ***molecule*** (N-CAM) gene, exon
 16.
 SEGMENT: 16 of 20
 SOURCE: Chicken, cDNA to mRNA, clones lambda-N151 [1]; liver
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 ORGANISM (ORGN): Gallus gallus
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 NUCLEIC ACID COUNT (NA): 188 a 131 c 161 g 201 t
 ORIGIN: About 4.2 kb after segment 15.
 REFERENCE: 1 (bases 13 to 666)
 AUTHOR (AU): Hemperly, J.J.; Edelman, G.M.; Cunningham, B.A.
 TITLE (TI): cDNA clones of the ***neural*** ***cell***
 adhesion ***molecule*** (N-CAM) lacking a
 membrane-spanning region consistent with evidence for
 intermediate membrane attachment via a phosphatidylinositol
 JOURNAL (SO): Proc. Natl. Acad. Sci. U.S.A., 83 (24), 9822-9826 (
 1986)
 OTHER SOURCE (OS): CA 106:62126
 REFERENCE: 2 (bases 1 to 20; 639 to 681)
 AUTHOR (AU): Owens, G.C.; Edelman, G.M.; Cunningham, B.A.
 TITLE (TI): Organization of the ***neural*** ***cell***
 adhesion ***molecule*** (N-CAM) gene:
 alternative exon usage as the basis for different
 membrane-associated domains
 JOURNAL (SO): Proc. Natl. Acad. Sci. U.S.A., 84 (1), 294-298 (
 1987)
 OTHER SOURCE (OS): CA 106:97246

FEATURES (FEAT):

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 M15930.1:13..163,
 M15931.1:13..197,
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 181 cagttcagga ggggggggaa gaaaaaaaat tgtcatttga aagagttaat attttgtaac
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 301 tttgcccttt ttaatgaatg taaaggaaga attttttgct tgctcgcttt tttcatcgta
 361 ggagagtaca gtactgaaag ctttttaaag aagtccccac gcacacatgc acataaaaag
 421 ccccaaattg gtctttgctg atgtgctgac acattggtgc tgatcaccac tgtgttgagc
 481 acggagtttc tgaagcccta cctgcaaatg tcagccagga gagtgaaaac aggggaagcaa
 541 acttgccaga gagaatccct attgagcact cagattcctc tgcgggcttt tgcaagtgag
 601 ttcaaattgta tggccgtag gtggtcccag tgtggtggtg tgaatacaaa catctgtggg
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L4 ANSWER 175 OF 387 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): CHKNCAM02 GenBank (R)
 GenBank ACC. NO. (GBN): M15922
 GenBank VERSION (VER): M15922.1 GI:212414
 CAS REGISTRY NO. (RN): 140978-01-4
 SEQUENCE LENGTH (SQL): 99
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Other vertebrates
 DATE (DATE): 8 Aug 1995
 DEFINITION (DEF): Chicken ***neural*** ***cell*** -
 adhesion ***molecule*** (N-CAM) gene, exoi

SEGMENT: 2 of 20
SOURCE: Chicken, cDNA to mRNA, clones pEC[254,265]; liver DNA, clones lambda-CN[1,2,3] [1].
ORGANISM (ORGN): Gallus gallus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae; Gallus

NUCLEIC ACID COUNT (NA): 23 a 18 c 26 g 32 t
ORIGIN: Undetermined number of bp after segment 1.
REFERENCE: 1 (bases 1 to 20; 81 to 99)
AUTHOR (AU): Owens, G.C.; Edelman, G.M.; Cunningham, B.A.
TITLE (TI): Organization of the ***neural*** ***cell***
adhesion ***molecule*** (N-CAM) gene:
alternative exon usage as the basis for different
membrane-associated domains
JOURNAL (SO): Proc. Natl. Acad. Sci. U.S.A., 84 (1), 294-298 (***1987***)
OTHER SOURCE (OS): CA 106:97246
REFERENCE: 2 (bases 13 to 87)
AUTHOR (AU): Cunningham, B.A.; Hemperly, J.J.; Murray, B.A.; Prediger, E.A.; Brackenbury, R.; Edelman, G.M.
TITLE (TI): ***Neural*** ***cell*** ***adhesion***
molecule : structure, immunoglobulin-like
domains, cell surface modulation, and alternative RNA
splicing
JOURNAL (SO): Science, 236 (4803), 799-806 (***1987***)
OTHER SOURCE (OS): CA 107:193265

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61 gagaatccaa gttcttctta tgtcaagggtg agtgatggc

L4 ANSWER 176 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
AN 990154932 JICST-EPlus
TI Cancer immunotherapy-update. Analysis of a ***Peptide*** Recognized by
Human Gastric Cancer-Specific Autologous Cytotoxic T Cell.
AU OKADA YOJIRO; SATO NORIYUKI; YASOSHIMA TAKAHIRO; DENNO RYUICHI; HIRATA
KOICHI
SAHARA HIROEKI
CS Sapporo Med. Coll., Sch. of Med.
Sapporoidai I Rinkaiiken
SO Biotherapy (Tokyo), (1998) vol. 12, no. 11, pp. 1448-1452. Journal Code:
L0028A (Fig. 1, Tbl. 1, Ref. 7)
ISSN: 0914-2223
CY Japan
DT Journal; General Review
LA Japanese
STA New

L4 ANSWER 177 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
AN 980466890 JICST-EPlus
TI Molecular biology of schizophrenia: Neurodevelopment and synaptic
plasticity.
AU TAKAHASHI MAKOTO
NAWA HIROYUKI
CS Niigata Univ., Sch. of Med.
Brain Res. Inst., Niigata Univ.
SO No no Kagaku (Brain Science), (1998) vol. 20, no. 4, pp. 433-440. Journal
Code: Z0794B (Fig. 1, Tbl. 3, Ref. 72)
ISSN: 1343-4144
CY Japan

LA Japanese
STA New

L4 ANSWER 178 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
AN 980364272 JICST-EPlus
TI Morphological plasticity in the mammalian central nervous system. On
neurons producing hormones from the posterior lobe of pituitary body.
AU MIYATA SEIJI; LIN S-H; NAKAJIMA TOSHIHIRO; KIYOHARA TOSHIKAZU
CS Kyoto Inst. of Technol.
SO Hikaku Seiri Seikagaku (Comparative Physiology and Biochemistry), (1998)
vol. 15, no. 1, pp. 30-39. Journal Code: X0742A (Fig. 4, Ref. 59)
CODEN: COPBEY; ISSN: 0916-3786
CY Japan
DT Journal; General Review
LA Japanese
STA New

L4 ANSWER 179 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
AN 970693815 JICST-EPlus
TI Tumor related antigens of thyroid carcinoma (Antibodies for thyroid
carcinoma).
AU TAKEYAMA HIROSHI; HOSOYA TETSUO; SHINOZAKI NOBORU; YAMAZAKI YOJI
CS Jikei Univ. School of Medicine
SO Cell, (1997) vol. 29, no. 9, pp. 337-340. Journal Code: F0692A (Fig. 2,
Tbl. 1, Ref. 10)
ISSN: 0386-4766
CY Japan
DT Journal; General Review
LA Japanese
STA New

L4 ANSWER 180 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
AN 970316850 JICST-EPlus
TI Immunohistochemical Studies of Neuroblastoma in Infants.
AU KASHIMURA TOKO; SASAKI YOSHIRO; TANAKA YUKICHI; NISHI TOSHIJI; NISHIHARA
KOICHI
CS Kanagawa Child. Med. Center
SO Nippon Shoni Geka Gakkai Zasshi (Journal of the Japanese Society of
Pediatric Surgeons), (1997) vol. 33, no. 1, pp. 69-78. Journal Code:
Z0037B (Fig. 3, Tbl. 9, Ref. 26)
ISSN: 0288-609X
CY Japan
DT Journal; Article
LA Japanese
STA New

L4 ANSWER 181 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
AN 970308743 JICST-EPlus
TI The functional role of extracellular matrix during cartilage
differentiation.
AU SHUKUNAMI CHISA; HIRAKI YUJI
CS Osaka Univ., Fac. of Dent.
SO Igaku no Ayumi (Journal of Clinical and Experimental Medicine), (1997) no.
Feb Bessatsu (Saibogai Matorikkusu), pp. 21-26. Journal Code: Z0649A (Fig.
4, Ref. 21)
CODEN: IGAYAY; ISSN: 0039-2359
CY Japan
DT Journal; Commentary
LA Japanese
STA New

L4 ANSWER 182 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
AN 970259511 JICST-EPlus
TI Studies on clinical application of tumor marker.
AU NOZAWA SHIRO
CS Sch. of Med., Keio Univ.
SO Koseisho Gan Kenkyu Joseikin ni yoru Kenkyu Hokokushu (Annual Report of
the Cancer Research, Ministry of Health and Welfare), (1995) vol. 1994,
pp. 339-347. Journal Code: Y0184A (Fig. 8, Tbl. 2, Ref. 58)
CY Japan
DT Journal; Short Communication
LA Japanese
STA New

L4 ANSWER 183 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN

TI Cell-cell contact-mediated synthesis of survival factors in conditioned
 medium from high-density cortical cultures under serum-free conditions.
 AU FUKUSHIMA NOBUYUKI
 CS Yokohama City Univ., Sch. of Med.
 SO Yokohama Igaku (Yokohama Medical Journal), (1997) vol. 48, no. 1, pp.
 11-20. Journal Code: G0703A (Fig. 6, Tbl. 4, Ref. 23)
 CODEN: YKIGAK; ISSN: 0372-7726
 CY Japan
 DT Journal; Article
 LA Japanese
 STA New

L4 ANSWER 184 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
 AN 970210094 JICST-EPlus
 TI Chinese/oriental medicine. Role of acupuncture and moxibustion in medical
 treatment for elderlies. Research on role of acupuncture treatment for
 elderlies. Effect of acupuncture treatment on immune function. (Ministry
 of Health and Welfare S)
 AU YOSHIDA AKIRA; YASUNO FUMIKO
 CS SAKAI TOMOMI
 CS Minist. of Financ., Tokyo Hosp.
 TSukubagijutsutankidaigaku
 SO Choju Kagaku Sogo Kenkyu, (1996) vol. 1995(9), pp. 67-74. Journal Code:
 J1099A (Fig. 8, Tbl. 1, Ref. 18)
 CY Japan
 DT Journal; Article
 LA Japanese
 STA New

L4 ANSWER 185 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
 AN 970133498 JICST-EPlus
 TI cDNA Cloning and Expression of the Xenopus Homologue of the Neural
 Adhesion Molecule, Contactin (F3/F11).
 AU NAGATA S; FUJITA N
 CS TAKEUCHI K; WATANABE K
 CS Japan Women's Univ., Tokyo, JPN
 Tokyo Metropolitan Inst. Gerontology, Tokyo, JPN
 SO Zool Sci, (1996) vol. 13, no. 6, pp. 813-820. Journal Code: F0012B (Fig.
 6, Ref. 40)
 ISSN: 0289-0003
 CY Japan
 DT Journal; Article
 LA English
 STA New

L4 ANSWER 186 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
 AN 960869111 JICST-EPlus
 TI Exploration and function of gene cluster regulatory expressed with
 plasticity of in vivo hippocampus: Approaches to molecular basis of long
 term memories.
 AU INOUCHI KAORU; OZAWA FUMIKO; HIRAI KEIKO; MURAYAMA AKIKO; SAITO
 YOSHIHITO; MATSUO RYOTA; KATO AKIHIKO
 CS SAKAKI YOSHIYUKI
 CS Mitsubishi Kasei Inst. Life Sci.s
 Inst. of Med. Sci., Univ. of Tokyo
 SO Shinkei Kagaku (Bulletin of the Japanese Society for Neurochemistry),
 (1996) vol. 35, no. 3, pp. 176-177. Journal Code: Y0225A (Fig. 1, Ref. 5)
 ISSN: 0037-3796
 CY Japan
 DT Conference; Short Communication
 LA Japanese
 STA New

L4 ANSWER 187 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
 AN 960378104 JICST-EPlus
 TI The functional role of extracellular matrix during cartilage
 differentiation.
 AU SHUKUNAMI CHISA; HIRAKI YUJI
 CS Osaka Univ., Fac. of Dent.
 SO Igaku no Ayumi (Journal of Clinical and Experimental Medicine), (1996)
 vol. 177, no. 1, pp. 21-26. Journal Code: Z0649A (Fig. 4, Ref. 21)
 CODEN: IGAYAY; ISSN: 0039-2359
 CY Japan
 DT Journal; Commentary
 LA Japanese

L4 ANSWER 188 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
 AN 950957324 JICST-EPlus
 TI The Merkel Cell: Recent Findings and Unresolved Problems.
 AU TACHIBANA T
 CS Iwate Medical Univ. School of Dentistry, Morioka, JPN
 SO Arch Histol Cytol, (1995) vol. 58, no. 4, pp. 379-396. Journal Code:
 F0897A (Fig. 9, Tbl. 1, Ref. 158)
 ISSN: 0914-9465
 CY Japan
 DT Journal; General Review
 LA English
 STA New

L4 ANSWER 189 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
 AN 950416953 JICST-EPlus
 TI Analysis of Synaptogenesis in vitro by ***Peptides*** Relating to Cell
 Adhesion.
 AU TAGUCHI T; TANIGUCHI H; YUMOTO N; TATSU Y; YAMAMOTO H; YOSHIKAWA S
 BO X X; KIYOSUE K; KUDOH S; KASAI M
 CS Osaka National Research Inst., Ikeda, JPN
 Osaka Univ., Toyonaka, JPN
 Osaka Science and Technology Center, Osaka, JPN
 SO Pept Chem, (1995) vol. 1994, pp. 145-148. Journal Code: X0695A (Fig. 3,
 Ref. 8)
 CY Japan
 DT Conference; Article
 LA English
 STA New

L4 ANSWER 190 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
 AN 950216347 JICST-EPlus
 TI Series "Sex and Reproduction" Minor Special Issue on the Olfactory System.
 The Origin of GnRH Neurons Migrating from the Nasal Region into the Brain.
 AU MURAKAMI SHIZUKO
 CS Juntendo Univ., Sch. of Med.
 SO Hyuman Saiensu (Journal of Human Sciences), (1995) vol. 7, no. 2, pp.
 73-84. Journal Code: L0881A (Fig. 10, Ref. 35)
 ISSN: 0914-8973
 CY Japan
 DT Journal; General Review
 LA Japanese
 STA New

L4 ANSWER 191 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
 AN 950066666 JICST-EPlus
 TI Neural Cell Adhesion Proteins and Neurological Diseases.
 AU UYEMURA K
 TAKEDA Y
 ASOU H
 HAYASAKA K
 SO J Biochem, (1994) vol. 116, no. 6, pp. 1187-1192. Journal Code: F0286A
 (Fig. 5, Ref. 48)
 CODEN: JOBIAO; ISSN: 0021-924X
 CY Japan
 DT Journal; General Review
 LA English
 STA New

L4 ANSWER 192 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
 AN 940027999 JICST-EPlus
 TI Biological character of small cell carcinoma (oat cell cancer) of a
 lung.Recent research results.
 AU KAMEYA TOORU
 CS Kitasato Univ., School of Medicine
 SO Kitasato Igaku (Kitasato Medicine), (1993) vol. 23, no. 5, pp. 299-309.
 Journal Code: Z0070A (Fig. 10, Tbl. 2, Ref. 34)
 ISSN: 0385-5449
 CY Japan
 DT Journal; General Review
 LA Japanese
 STA New

L4 ANSWER 193 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
 AN 931007030 JICST-EPlus

AU DAIKOKU S; KOIDE I; SHIMOMURA Y
 CHIKAMORI-AOYAMA M
 CS Otsuka Pharmaceutical Co. Ltd., Tokushima, JPN
 Univ. Tokusha School of Medicine, Tokushima, JPN
 SO Arch Histol Cytol, (1993) vol. 56, no. 4, pp. 353-370. Journal Code:
 F0897A (Fig. 13, Tbl. 1, Ref. 34)
 ISSN: 0914-9465
 CY Japan
 DT Journal; Article
 LA English
 STA New

L4 ANSWER 194 OF 387 JICST-EPlus COPYRIGHT 2004 JST on STN
 AN 930381023 JICST-EPlus
 TI Osteocyte.
 AU IRIE KAZUHARU; OZAWA HIDEHIRO
 CS Niigata Univ., School of Dentistry
 SO Cell, (1993) vol. 25, no. 4, pp. 134-138. Journal Code: F0692A (Fig. 6,
 Ref. 20)
 ISSN: 0386-4766
 CY Japan
 DT Journal; General Review
 LA Japanese
 STA New

L4 ANSWER 195 OF 387 LIFESCI COPYRIGHT 2004 CSA on STN
 AN 93:44758 LIFESCI
 TI Leydig cells express ***neural*** ***cell*** ***adhesion***
 molecules in vivo and in vitro.
 AU Mayerhofer, A.; Seidl, K.; Lahr, G.; Bitter-Suermann, D.; Christoph, A.;
 Barthels, D.; Wille, W.; Gratzl, M.
 CS Abt. Ant. und Zelbiol., Univ. Ulm, Albert-Einstein-Allee 11, Postfach
 4066, D-7900 Ulm, FRG
 SO BIOL. REPROD., (***1992***) vol. 47, no. 4, pp. 565-664.
 DT Journal
 FS N3
 LA English
 SL English

L4 ANSWER 196 OF 387 LIFESCI COPYRIGHT 2004 CSA on STN
 AN 91:55757 LIFESCI
 TI Molecular cloning and expression of a novel adhesion molecule, SC1.
 AU Tanaka, H.; Matsui, T.; Agata, A.; Tomura, M.; Kubota, I.; McFarland,
 K.C.; Kohr, B.; Lee, A.; Phillips, H.S.; Shelton, D.L.
 CS Dep. Pharmacol., Gunma Univ. Sch. Med., Maebashi 371, Japan
 SO NEURON., (***1991***) vol. 7, no. 4, pp. 535-545.
 DT Journal
 FS N3
 LA English
 SL English

L4 ANSWER 197 OF 387 LIFESCI COPYRIGHT 2004 CSA on STN
 AN 86:63440 LIFESCI
 TI Topography of N-CAM structural and functional determinants. II. Placement
 of monoclonal antibody epitopes.
 AU Frelinger, A.L., III; Rutishauser, U.
 CS Neurosci. Program, Dep. Dev. Genet. and Anat., Case Western Reserve Univ.
 Sch. Med., Cleveland, OH 44106, USA
 SO J. CELL BIOL., (***1986***) vol. 103, no. 5, pt. 1, pp. 1729-1737.
 DT Journal
 FS N3; M
 LA English
 SL English

L4 ANSWER 198 OF 387 MEDLINE on STN
 AN 1999067323 MEDLINE
 DN PubMed ID: 9850337
 TI Chemotaxins C5a and fMLP induce release of calprotectin (leucocyte L1
 protein) from polymorphonuclear cells in vitro.
 AU Hetland G; Talgo G J; Fagerhol M K
 CS Institute of Immunology and Rheumatology, National Hospital, Oslo, Norway.
 SO Molecular pathology : MP, *** (1998 Jun) *** 51 (3) 143-8.
 Journal code: 9706282. ISSN: 1366-8714.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)

FS Priority Journals
 EM 199812
 ED Entered STN: 19990115
 Last Updated on STN: 20021218
 Entered Medline: 19981229

L4 ANSWER 199 OF 387 MEDLINE on STN
 AN 1999003420 MEDLINE
 DN PubMed ID: 9786993
 TI Accumulation of F-spondin in injured peripheral nerve promotes the outgrowth of sensory axons.
 AU Burstyn-Cohen T; Frumkin A; Xu Y T; Scherer S S; Klar A
 CS Department of Anatomy and Cell Biology, The Hebrew University-Hadassah Medical School, Jerusalem, 91120 Israel.
 SO Journal of neuroscience : official journal of the Society for Neuroscience, *** (1998 Nov 1)*** 18 (21) 8875-85.
 Journal code: 8102140. ISSN: 0270-6474.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199811
 ED Entered STN: 19990115
 Last Updated on STN: 19990115
 Entered Medline: 19981130

L4 ANSWER 200 OF 387 MEDLINE on STN
 AN 1998449911 MEDLINE
 DN PubMed ID: 9774638
 TI MFR, a putative receptor mediating the fusion of macrophages.
 AU Saginario C; Sterling H; Beckers C; Kobayashi R; Solimena M; Ullu E; Vignery A
 CS Department of Cell Biology, Yale University School of Medicine, New Haven, Connecticut, USA.
 NC AR08395 (NIAMS)
 DE12110 (NIDCR)
 GM07223 (NIGMS)
 SO Molecular and cellular biology, *** (1998 Nov)*** 18 (11) 6213-23.
 Journal code: 8109087. ISSN: 0270-7306.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-U62328
 EM 199811
 ED Entered STN: 19990106
 Last Updated on STN: 20000314
 Entered Medline: 19981123

L4 ANSWER 201 OF 387 MEDLINE on STN
 AN 1998402557 MEDLINE
 DN PubMed ID: 9730987
 TI Anosmin-1 underlying the X chromosome-linked Kallmann syndrome is an adhesion molecule that can modulate neurite growth in a cell-type specific manner.
 AU Soussi-Yanicostas N; Faivre-Sarrailh C; Hardelin J P; Levilliers J; Rougon G; Petit C
 CS Unite de Genetique des Deficits Sensoriels, CNRS URA 1968, Institut Pasteur, 75724 Paris Cedex 15, France.
 SO Journal of cell science, *** (1998 Oct)*** 111 (Pt 19) 2953-65.
 Journal code: 0052457. ISSN: 0021-9533.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199812
 ED Entered STN: 19990115
 Last Updated on STN: 19990115
 Entered Medline: 19981230

L4 ANSWER 202 OF 387 MEDLINE on STN
 AN 1998399585 MEDLINE
 DN PubMed ID: 9729886
 TI Characterization of Amphif-spondin reveals the modular evolution of chordate F-spondin genes.

CS Division of Zoology, School of Animal and Microbial Sciences, University
 of Reading, England.. s.m.shimeld@rdg.ac.uk
 SO Molecular biology and evolution, *** (1998 Sep) *** 15 (9) 1218-23.
 Journal code: 8501455. ISSN: 0737-4038.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AJ006096
 EM 199809
 ED Entered STN: 19981006
 Last Updated on STN: 20000303
 Entered Medline: 19980922

L4 ANSWER 203 OF 387 MEDLINE on STN
 AN 1998387176 MEDLINE
 DN PubMed ID: 9721721
 TI Identification of a homophilic binding site in immunoglobulin-like domain
 2 of the cell adhesion molecule L1.
 AU Zhao X; Yip P M; Siu C H
 CS Banting and Best Department of Medical Research, University of Toronto,
 Ontario, Canada.
 SO Journal of neurochemistry, *** (1998 Sep) *** 71 (3) 960-71.
 Journal code: 2985190R. ISSN: 0022-3042.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199809
 ED Entered STN: 19981006
 Last Updated on STN: 19981006
 Entered Medline: 19980921

L4 ANSWER 204 OF 387 MEDLINE on STN
 AN 1998332611 MEDLINE
 DN PubMed ID: 9666123
 TI p75-deficient sensory axons are immunoreactive for the glycoprotein L1 in
 mice overexpressing nerve growth factor.
 AU Walsh G S; Petruccelli K; Kawaja M D
 CS Department of Anatomy and Cell Biology, Queen's University, Kingston,
 Ontario, Canada.
 SO Brain research, *** (1998 Jul 6) *** 798 (1-2) 184-94.
 Journal code: 0045503. ISSN: 0006-8993.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199809
 ED Entered STN: 19980925
 Last Updated on STN: 19980925
 Entered Medline: 19980911

L4 ANSWER 205 OF 387 MEDLINE on STN
 AN 1998204923 MEDLINE
 DN PubMed ID: 9535915
 TI Roles of the complex formation of SHPS-1 with SHP-2 in insulin-stimulated
 mitogen-activated protein kinase activation.
 AU Takada T; Matozaki T; Takeda H; Fukunaga K; Noguchi T; Fujioka Y; Okazaki
 I; Tsuda M; Yamao T; Ochi F; Kasuga M
 CS Second Department of Internal Medicine, Kobe University School of
 Medicine, Kusunoki-cho, Chuo-ku, Kobe 650, Japan.
 SO Journal of biological chemistry, *** (1998 Apr 10) *** 273 (15) 9234-42.
 Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199805
 ED Entered STN: 19980520
 Last Updated on STN: 20000303
 Entered Medline: 19980514

L4 ANSWER 206 OF 387 MEDLINE on STN
 AN 1998119741 MEDLINE
 DN PubMed ID: 9450954

outgrowth via interaction with the alphavbeta3 integrin.
 AU Yip P M; Zhao X; Montgomery A M; Siu C H
 CS Banting and Best Department of Medical Research and Department of
 Biochemistry, University of Toronto, Toronto, Ontario M5G 1L6, Canada.
 SO Molecular biology of the cell, *** (1998 Feb) *** 9 (2) 277-90.
 Journal code: 9201390. ISSN: 1059-1524.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199803
 ED Entered STN: 19980410
 Last Updated on STN: 19980410
 Entered Medline: 19980331

L4 ANSWER 207 OF 387 MEDLINE on STN
 AN 1998104230 MEDLINE
 DN PubMed ID: 9441663
 TI Mindin/F-spondin family: novel ECM proteins expressed in the zebrafish
 embryonic axis.
 AU Higashijima S; Nose A; Eguchi G; Hotta Y; Okamoto H
 CS National Institute for Basic Biology, Aichi, Japan.. shinichi@nibb.ac.jp
 SO Developmental biology, *** (1997 Dec 15) *** 192 (2) 211-27.
 Journal code: 0372762. ISSN: 0012-1606.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AB006084; GENBANK-AB006085; GENBANK-AB006086; GENBANK-AB006087
 EM 199802
 ED Entered STN: 19980226
 Last Updated on STN: 19980226
 Entered Medline: 19980213

L4 ANSWER 208 OF 387 MEDLINE on STN
 AN 1998027187 MEDLINE
 DN PubMed ID: 9361281
 TI Segregation of rhombomeres by differential chemoaffinity.
 AU Wizenmann A; Lumsden A
 CS Department of Developmental Neurobiology, UMDS, Guy's Hospital, London,
 England.
 SO Molecular and cellular neurosciences, *** (1997) *** 9 (5-6) 448-59.
 Journal code: 9100095. ISSN: 1044-7431.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199801
 ED Entered STN: 19980122
 Last Updated on STN: 19980122
 Entered Medline: 19980108

L4 ANSWER 209 OF 387 MEDLINE on STN
 AN 97472958 MEDLINE
 DN PubMed ID: 9331906
 TI Expression of opioid-binding cell adhesion molecule (OBCAM) and
 neurotrimin (NTM) in E. coli and their reactivity with monoclonal
 anti-OBCAM antibody.
 AU Nakajima O; Hachisuka A; Takagi K; Yamazaki T; Ikebuchi H; Sawada J
 CS Division of Biochemistry and Immunochemistry, National Institute of Health
 Sciences, Tokyo, Japan.
 SO Neuroreport, *** (1997 Sep 29) *** 8 (14) 3005-8.
 Journal code: 9100935. ISSN: 0959-4965.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199711
 ED Entered STN: 19980109
 Last Updated on STN: 19980109
 Entered Medline: 19971126

L4 ANSWER 210 OF 387 MEDLINE on STN
 AN 97415431 MEDLINE
 DN PubMed ID: 9271230

AU Sano S; Ohnishi H; Ōmori A; Hasegawa J; Kubota M
 CS Mitsubishi Kasei Institute of Life Sciences, Tokyo, Japan..
 ssano@libra.ls.m-kagaku.co.jp
 SO FEBS letters, *** (1997 Jul 14) *** 411 (2-3) 327-34.
 Journal code: 0155157. ISSN: 0014-5793.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-D38468
 EM 199709
 ED Entered STN: 19971008
 Last Updated on STN: 20001027
 Entered Medline: 19970923

L4 ANSWER 211 OF 387 MEDLINE on STN
 AN 97349133 MEDLINE
 DN PubMed ID: 9205137
 TI M-spondin, a novel ECM protein highly homologous to vertebrate F-spondin,
 is localized at the muscle attachment sites in the Drosophila embryo.
 AU Umemiya T; Takeichi M; Nose A
 CS National Institute for Basic Biology, Myodaiji-cho, Okazaki, Japan.
 SO Developmental biology, *** (1997 Jun 15) *** 186 (2) 165-76.
 Journal code: 0372762. ISSN: 0012-1606.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AF000178
 EM 199707
 ED Entered STN: 19970805
 Last Updated on STN: 19970805
 Entered Medline: 19970723

L4 ANSWER 212 OF 387 MEDLINE on STN
 AN 97307445 MEDLINE
 DN PubMed ID: 9164636
 TI Enkephalin-like immunoreactivity in human skin is found selectively in a
 fraction of CD68-positive dermal cells: increase in enkephalin-positive
 cells in lesional psoriasis.
 AU Nissen J B; Lund M; Stengaard-Pedersen K; Kragballe K
 CS Department of Dermatology, Marselisborg Hospital, Aarhus, Denmark.
 SO Archives of dermatological research, *** (1997 Apr) *** 289 (5) 265-71.
 Journal code: 8000462. ISSN: 0340-3696.
 CY GERMANY: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199707
 ED Entered STN: 19970812
 Last Updated on STN: 19970812
 Entered Medline: 19970731

L4 ANSWER 213 OF 387 MEDLINE on STN
 AN 97223517 MEDLINE
 DN PubMed ID: 8812120
 TI Inhibition of protein kinase A phenocopies ectopic expression of hedgehog
 in the CNS of wild-type and cyclops mutant embryos.
 AU Ungar A R; Moon R T
 CS Department of Pharmacology, University of Washington, Seattle 98195-7750,
 USA.
 NC 1F32 HD07737-03 (NICHD)
 SO Developmental biology, *** (1996 Aug 25) *** 178 (1) 186-91.
 Journal code: 0372762. ISSN: 0012-1606.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199704
 ED Entered STN: 19970424
 Last Updated on STN: 19970424
 Entered Medline: 19970414

L4 ANSWER 214 OF 387 MEDLINE on STN
 AN 97157768 MEDLINE

TI A family of glycoproteins (GP55), which inhibit neurite outgrowth, are members of the Ig superfamily and are related to OBCAM, neurotrimin, LAMP and CEPU-1.
 AU Wilson D J; Kim D S; Clarke G A; Marshall-Clarke S; Moss D J
 CS Department of Human Anatomy and Cell Biology, Liverpool University, UK.
 SO Journal of cell science, *** (1996 Dec) *** 109 (Pt 13) 3129-38.
 Journal code: 0052457. ISSN: 0021-9533.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-Y08170; GENBANK-Y08171
 EM 199703
 ED Entered STN: 19970407
 Last Updated on STN: 19970407
 Entered Medline: 19970325

L4 ANSWER 215 OF 387 MEDLINE on STN
 AN 97110851 MEDLINE
 DN PubMed ID: 9081628
 TI Distinct effects of recombinant tenascin-R domains in neuronal cell functions and identification of the domain interacting with the neuronal recognition molecule F3/11.
 AU Xiao Z C; Taylor J; Montag D; Rougon G; Schachner M
 CS Department of Neurobiology, Swiss Federal Institute of Technology, Honggerberg, Zurich, Switerland.
 SO European journal of neuroscience, *** (1996 Apr) *** 8 (4) 766-82.
 Journal code: 8918110. ISSN: 0953-816X.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199704
 ED Entered STN: 19970414
 Last Updated on STN: 20000303
 Entered Medline: 19970403

L4 ANSWER 216 OF 387 MEDLINE on STN
 AN 97054670 MEDLINE
 DN PubMed ID: 8898967
 TI L1 adhesion molecule on human lymphocytes and monocytes: expression and involvement in binding to alpha v beta 3 integrin.
 AU Ebeling O; Duczmal A; Aigner S; Geiger C; Schollhammer S; Kemshead J T; Moller P; Schwartz-Albiez R; Altevogt P
 CS Tumor Immunology Programme, German Cancer Research Center, Heidelberg, Germany.
 SO European journal of immunology, *** (1996 Oct) *** 26 (10) 2508-16.
 Journal code: 1273201. ISSN: 0014-2980.
 CY GERMANY: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-M74387; GENBANK-Z29373
 EM 199612
 ED Entered STN: 19970128
 Last Updated on STN: 19970128
 Entered Medline: 19961210

L4 ANSWER 217 OF 387 MEDLINE on STN
 AN 96405696 MEDLINE
 DN PubMed ID: 8809825
 TI Influence of age and anti-nerve growth factor treatment on the sympathetic and sensory innervation of the rat iris.
 AU Gavazzi I; Canavan R E; Cowen T
 CS Department of Anatomy and Development Biology, Rowland Hill Street, London NW3 2PF, UK.
 SO Neuroscience, *** (1996 Aug) *** 73 (4) 1069-79.
 Journal code: 7605074. ISSN: 0306-4522.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199702
 ED Entered STN: 19970305
 Last Updated on STN: 19980206

L4 ANSWER 218 OF 387 MEDLINE on STN
 AN 96295560 MEDLINE
 DN PubMed ID: 8707831
 TI Weaver granule neurons are rescued by calcium channel antagonists and antibodies against a neurite outgrowth domain of the B2 chain of laminin.
 AU Liesi P; Wright J M
 CS Laboratory of Molecular and Cellular Neurobiology, National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, Rockville, Maryland 20852, USA.. liesi@helix.nih.gov
 SO Journal of cell biology, *** (1996 Jul) *** 134 (2) 477-86.
 Journal code: 0375356. ISSN: 0021-9525.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199609
 ED Entered STN: 19960919
 Last Updated on STN: 20000303
 Entered Medline: 19960910

L4 ANSWER 219 OF 387 MEDLINE on STN
 AN 96001503 MEDLINE
 DN PubMed ID: 8525906
 TI The leucocyte protein L1 (calprotectin): a putative nonspecific defence factor at epithelial surfaces.
 AU Brandtzaeg P; Gabrielsen T O; Dale I; Muller F; Steinbakk M; Fagerhol M K
 CS Laboratory for Immunohistochemistry and Immunopathology (LIIPAT), National Hospital, Oslo, Norway.
 SO Advances in experimental medicine and biology, *** (1995) *** 371A
 201-6. Ref: 30
 Journal code: 0121103. ISSN: 0065-2598.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English
 FS Priority Journals; AIDS
 EM 199601
 ED Entered STN: 19960219
 Last Updated on STN: 19960219
 Entered Medline: 19960124

L4 ANSWER 220 OF 387 MEDLINE on STN
 AN 89257627 MEDLINE
 DN PubMed ID: 2723751
 TI Characterization of a partial cDNA clone for the NILE glycoprotein and identification of the encoded polypeptide domain.
 AU Prince J T; Milona N; Stallcup W B
 CS La Jolla Cancer Research Foundation, California 92037.
 NC NS 23126 (NINDS)
 SO Journal of neuroscience : official journal of the Society for Neuroscience, *** (1989 May) *** 9 (5) 1825-34.
 Journal code: 8102140. ISSN: 0270-6474.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 198906
 ED Entered STN: 19900306
 Last Updated on STN: 19970203
 Entered Medline: 19890629

L4 ANSWER 221 OF 387 MEDLINE on STN
 AN 89177485 MEDLINE
 DN PubMed ID: 2466966
 TI Characterization of a partial cDNA clone for the NILE glycoprotein and identification of the encoded polypeptide domain.
 AU Prince J T; Milona N; Stallcup W B
 CS La Jolla Cancer Research Foundation, California 92037.
 NC NS23126 (NINDS)
 SO Journal of neuroscience : official journal of the Society for Neuroscience, *** (1989 Mar) *** 9 (3) 876-83.
 Journal code: 8102140. ISSN: 0270-6474.
 CY United States

LA English
FS Priority Journals
EM 198905
ED Entered STN: 19900306
Last Updated on STN: 19970203
Entered Medline: 19890505

L4 ANSWER 222 OF 387 MEDLINE on STN
AN 87057726 MEDLINE
DN PubMed ID: 3782313
TI Characterisation of a soluble trypsin fragment of GP130: a neuronal glycoprotein associated with the cytoskeleton.
AU Moss D J
SO Journal of cellular biochemistry, *** (1986) *** 32 (2) 97-112.
Journal code: 8205768. ISSN: 0730-2312.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198612
ED Entered STN: 19900302
Last Updated on STN: 19950809
Entered Medline: 19861231

L4 ANSWER 223 OF 387 MEDLINE on STN
AN 84266884 MEDLINE
DN PubMed ID: 6747638
TI Release of the NILE and other glycoproteins from cultured PC12 rat pheochromocytoma cells and sympathetic neurons.
AU Richter-Landsberg C; Lee V M; Salton S R; Shelanski M L; Greene L A
NC NS 15076 (NINDS)
NS 16036 (NINDS)
SO Journal of neurochemistry, *** (1984 Sep) *** 43 (3) 841-8.
Journal code: 2985190R. ISSN: 0022-3042.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198409
ED Entered STN: 19900320
Last Updated on STN: 19970203
Entered Medline: 19840913

L4 ANSWER 224 OF 387 PASCAL COPYRIGHT 2004 INIST-CNRS. ALL RIGHTS RESERVED. on STN
AN 1998-0428775 PASCAL
CP Copyright .COPYRGT. 1998 INIST-CNRS. All rights reserved.
TIEN Tumor necrosis factor induces neuroendocrine differentiation in small cell lung cancer cell lines
AU HALEY K. J.; PATIDAR K.; FAN ZHANG; EMANUEL R. L.; SUNDAY M. E.
CS Pulmonary and Critical Care Division, Department of Medicine, Boston, Massachusetts 02115, United States; Department of Pathology, Brigham and Women's Hospital and Harvard Medical School, Boston, Massachusetts 02115, United States; Department of Pathology, Children's Hospital and Harvard Medical School, Boston, Massachusetts 02115, United States
SO American journal of physiology. Lung cellular and molecular physiology, *** (1998) *** , 19(2), L311-L321, 77 refs.
ISSN: 1040-0605
DT Journal
BL Analytic
CY United States
LA English
AV INIST-22200, 354000072853570130

L4 ANSWER 225 OF 387 PASCAL COPYRIGHT 2004 INIST-CNRS. ALL RIGHTS RESERVED. on STN
AN 1997-0330957 PASCAL
CP Copyright .COPYRGT. 1997 INIST-CNRS. All rights reserved.
TIEN Matrix-assisted laser desorption/ionization mass spectrometric ***peptide*** mapping of the neural cell adhesion protein neurolin purified by sodium dodecyl sulfate polyacrylamide gel electrophoresis or acidic precipitation
AU KUSSMANN M.; LAESSING U.; STUERMER C. A. O.; PRZYBYLSKI M.; ROEPSTORFF P.
CS Department of Molecular Biology, Protein Research Group, Odense University, Campusvej 55, 5230 Odense M, Denmark; Faculty of Biology,

SO Federal Republic of; Faculty of Chemistry, University of Konstanz,
Postfach 5560 M 731, 78434 Konstanz, Germany, Federal Republic of
Journal of mass spectrometry, *** (1997) *** , 32(5), 483-493, 22 refs.
ISSN: 1076-5174
DT Journal
BL Analytic
CY United Kingdom
LA English
AV INIST-22950, 354000061538120030

L4 ANSWER 226 OF 387 PASCAL COPYRIGHT 2004 INIST-CNRS. ALL RIGHTS
RESERVED. on STN
AN 1995-0273475 PASCAL
CP Copyright .COPYRG. 1995 INIST-CNRS. All rights reserved.
TIEN Disturbances in cell recognition molecules (N-CAM and L1 antigen) in the
CSF of patients with schizophrenia
AU POLTORAK M.; KHOJA I.; HEMPERLY J. J.; WILLIAMS J. R.; RIF EL-MALLAKH;
FREED W. J.
CS NIMH neurosci. cent. St. Elizabeths, neuropsychiatry branch, Washington
DC 20032, United States; Becton-Dickinson res. cent., Research Triangle
Park NC 27709, United States
SO Experimental neurology, *** (1995) *** , 131(2), 266-272, 57 refs.
ISSN: 0014-4886 CODEN: EXNEAC
DT Journal
BL Analytic
CY United States
LA English
AV INIST-9181, 354000056668970110

L4 ANSWER 227 OF 387 PROMT COPYRIGHT 2004 Gale Group on STN

ACCESSION NUMBER: 92:624763 PROMT
TITLE: ICRT/Amersham radiotherapy deal
SOURCE: Biotechnology Business News, (***16 Oct 1992***) pp.
N/A.
LANGUAGE: English
WORD COUNT: 492
FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L4 ANSWER 228 OF 387 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 1998:622236 SCISEARCH
GA The Genuine Article (R) Number: 108MT
TI Tumor necrosis factor induces neuroendocrine differentiation in small cell
lung cancer cell lines
AU Haley K J; Patidar K; Zhang F; Emanuel R L; Sunday M E (Reprint)
CS BRIGHAM & WOMENS HOSP, DEPT PATHOL, 75 FRANCIS ST, BOSTON, MA 02115
(Reprint); BRIGHAM & WOMENS HOSP, DEPT PATHOL, BOSTON, MA 02115; BRIGHAM &
WOMENS HOSP, DEPT MED, DIV PULM & CRIT CARE, BOSTON, MA 02115; HARVARD
UNIV, SCH MED, BOSTON, MA; CHILDRENS HOSP, DEPT PATHOL, BOSTON, MA 02115
CYA USA
SO AMERICAN JOURNAL OF PHYSIOLOGY-LUNG CELLULAR AND MOLECULAR PHYSIOLOGY, (
AUG 1998) Vol. 19, No. 2, pp. L311-L321.
Publisher: AMER PHYSIOLOGICAL SOC, 9650 ROCKVILLE PIKE, BETHESDA, MD
20814.
ISSN: 1040-0605.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 77
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 229 OF 387 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 97:127608 SCISEARCH
GA The Genuine Article (R) Number: WF559
TI Influence of glycosylation on micelle-stabilizing ability and biological
properties of C-terminal fragments of cow's kappa-casein
AU Dziuba J (Reprint); Minkiewicz P
CS OLSZTYN UNIV AGR & TECHNOL, DEPT FOOD BIOCHEM, PL CIESZYNSKI 1, PL-10726
OLSZTYN, KORTOWO, POLAND (Reprint)
CYA POLAND
SO INTERNATIONAL DAIRY JOURNAL, (***NOV-DEC 1996***) Vol. 6, No. 11-12,
pp. 1017-1044.
Publisher: ELSEVIER SCI LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON,
OXFORD, OXON, ENGLAND OX5 1GB.
ISSN: 0958-6946.

FS AGRI
LA English
REC Reference Count: 219
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 230 OF 387 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 96:396720 SCISEARCH
GA The Genuine Article (R) Number: UL348
TI 2 TYPES OF AMYLOID PRECURSOR PROTEIN (APP) MESSENGER-RNA IN RAT GLIOMA
CELL-LINES - UP-REGULATION VIA A CYCLIC-AMP-DEPENDENT PATHWAY
AU GEGELASHVILI G; BOCK E; SCHOUSBOE A; LINNEMANN D (Reprint)
CS UNIV COPENHAGEN, PANUM INST, PROT LAB, MED BIOTECHNOL RES CTR, BLEGDAMSVEJ
3C, DK-2200 COPENHAGEN N, DENMARK (Reprint); UNIV COPENHAGEN, PANUM INST,
PROT LAB, MED BIOTECHNOL RES CTR, DK-2200 COPENHAGEN N, DENMARK; ROYAL
DANISH SCH PHARM, DEPT SCI BIOL, PHARABIOTEC RES CTR, NEUROBIOL UNIT,
DK-2100 COPENHAGEN, DENMARK
CYA DENMARK
SO MOLECULAR BRAIN RESEARCH, (***APR 1996***) Vol. 37, No. 1-2, pp.
151-156.
ISSN: 0169-328X.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 34
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 231 OF 387 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 95:640768 SCISEARCH
GA The Genuine Article (R) Number: RC601
TI IDENTIFICATION OF A LIGAND FOR ***NCAM*** BY MEANS OF SYNTHETIC
PEPTIDE LIBRARIES
AU BOCK E (Reprint); OLSEN M; ROTTWITT B B; OSTERGAARD S; HOLM A
CS UNIV COPENHAGEN, PROT LAB, DK-1168 COPENHAGEN, DENMARK
CYA DENMARK
SO JOURNAL OF NEUROCHEMISTRY, (***1995***) Vol. 65, Supp. S, pp. S203.
ISSN: 0022-3042.
DT Conference; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 1

L4 ANSWER 232 OF 387 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 95:439043 SCISEARCH
GA The Genuine Article (R) Number: RE362
TI IMMUNOHISTOCHEMICAL AND ELECTRON-MICROSCOPIC DEMONSTRATION OF NERVE-FIBERS
IN RELATION TO GINGIVA, TOOTH GERMS AND FUNCTIONAL TEETH IN THE LOWER JAW
OF THE CICHLID TILAPIA-MARIAE
AU TUISKU F (Reprint); HILDEBRAND C
CS LINKOPING UNIV, FAC HLTH SCI, DEPT CELL BIOL, S-58185 LINKOPING, SWEDEN
(Reprint)
CYA SWEDEN
SO ARCHIVES OF ORAL BIOLOGY, (***JUN 1995***) Vol. 40, No. 6, pp.
513-520.
ISSN: 0003-9969.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 49
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 233 OF 387 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 92:591494 SCISEARCH
GA The Genuine Article (R) Number: JR255
TI IDENTIFICATION OF A ***PEPTIDE*** SEQUENCE INVOLVED IN HOMOPHILIC
BINDING IN THE ***NEURAL*** ***CELL*** - ***ADHESION***
MOLECULE ***NCAM***
AU RAO Y (Reprint); WU X F; GARIEPY J; RUTISHAUSER U; SIU C H
CS UNIV TORONTO, BANTING & BEST DEPT MED RES, TORONTO M5G 1G6, ONTARIO,
CANADA; UNIV TORONTO, DEPT BIOPHYS, TORONTO M5G 1G6, ONTARIO, CANADA; CASE
WESTERN RESERVE UNIV, DEPT GENET, CLEVELAND, OH, 44106
CYA CANADA; USA
SO MOLECULAR BIOLOGY OF THE CELL, (***SEP 1992***) Vol. 3, Supp. S, pp.
A216.
ISSN: 1059-1524.
DT Conference; Journal

LA ENGLISH
REC No References

L4 ANSWER 234 OF 387 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 91:691804 SCISEARCH
GA The Genuine Article (R) Number: GW007
TI ***NEURAL*** ***CELL*** - ***ADHESION*** ***MOLECULE***
MEDIATES CONTACT-DEPENDENT INHIBITION OF GROWTH OF NEAR-DIPLOID MOUSE
FIBROBLAST CELL-LINE M5S/1M
AU AOKI J (Reprint); UMEDA M; TAKIO K; TITANI K; UTSUMI H; SASAKI M; INOUE K
CS UNIV TOKYO, FAC PHARMACEUT SCI, DEPT HLTH CHEM, 7-3-1 HONGO, BUNKYO KU,
TOKYO 113, JAPAN (Reprint); INST PHYS & CHEM RES, AGING PROC RES LAB,
FRONTIER RES PROGRAM, WAKO, SAITAMA 35101, JAPAN; KYOTO UNIV, CTR RADIAT
BIOL, SAKYO KU, KYOTO 606, JAPAN
CYA JAPAN
SO JOURNAL OF CELL BIOLOGY, (***1991***) Vol. 115, No. 6, pp. 1751-1761.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 47
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 235 OF 387 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 91:584485 SCISEARCH
GA The Genuine Article (R) Number: GK971
TI MIGRATION OF LHRH-IMMUNOREACTIVE NEURONS FROM THE OLFACTORY PLACODE
RATIONALIZES OLFACTO-HORMONAL RELATIONSHIPS
AU SCHWANZELFUKUDA M (Reprint); PFAFF D W
CS ROCKEFELLER UNIV, NEUROBIOL & BEHAV LAB, 1230 YORK AVE, NEW YORK, NY,
10021 (Reprint)
CYA USA
SO JOURNAL OF STEROID BIOCHEMISTRY AND MOLECULAR BIOLOGY, (***1991***)
Vol. 39, No. 4, pp. 565-572.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 58
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 236 OF 387 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 91:543016 SCISEARCH
GA The Genuine Article (R) Number: GG709
TI IMMUNOCYTOLOGIC DIAGNOSIS OF SMALL-CELL LUNG-CANCER IN IMPRINT SMEARS
AU TOME Y (Reprint); HIROHASHI S; NOGUCHI M; MATSUNO Y; KISHI K; UEI Y;
SHIMOSATO Y
CS NATL CANC CTR, DIV CLIN LAB, PATHOL SECT, 1-1 5 CHOME, CHOU KU, TOKYO 104,
JAPAN (Reprint); NATL CANC CTR, DIV CLIN LAB, CYTOL SECT, CHOU KU, TOKYO
104, JAPAN; NATL CANC CTR, RES INST, DIV PATHOL, CHOU KU, TOKYO 104, JAPAN
CYA JAPAN
SO ACTA CYTOLOGICA, (***1991***) Vol. 35, No. 5, pp. 485-490.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 18
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 237 OF 387 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 91:463505 SCISEARCH
GA The Genuine Article (R) Number: GA982
TI POLYSIALIC ACID OF THE ***NEURAL*** ***CELL*** - ***ADHESION***
MOLECULE DISTINGUISHES SMALL-CELL LUNG-CARCINOMA FROM CARCINOIDS
AU KOMMINOTH P; ROTH J (Reprint); LACKIE P M; BITTERSUERMAN D; HEITZ P U
CS UNIV ZURICH, INST PATHOL, DEPT CELL & MOLEC PATHOL, SCHMELZBERGSTR 12,
CH-8091 ZURICH, SWITZERLAND; MED SCH HANNOVER, INST MED MICROBIOL,
HANNOVER, GERMANY
CYA SWITZERLAND; GERMANY
SO AMERICAN JOURNAL OF PATHOLOGY, (***1991***) Vol. 139, No. 2, pp.
297-304.
DT Article; Journal
FS LIFE; CLIN
LA ENGLISH
REC Reference Count: 62
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 238 OF 387 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

GA The Genuine Article (R) Number: FQ772
 TI STRUCTURE OF A NEW NERVOUS-SYSTEM GLYCOPROTEIN, NR-CAM, AND ITS
 RELATIONSHIP TO SUBGROUPS OF ***NEURAL*** ***CELL*** -
 ADHESION ***MOLECULES***
 AU GRUMET M (Reprint); MAURO V; BURGOON M P; EDELMAN G M; CUNNINGHAM B A
 CS ROCKEFELLER UNIV, NEW YORK, NY, 10021
 CYA USA
 SO JOURNAL OF CELL BIOLOGY, (***1991***) Vol. 113, No. 6, pp. 1399-1412.
 DT Article; Journal
 FS LIFE
 LA ENGLISH
 REC Reference Count: 95
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 239 OF 387 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
 AN 91:171092 SCISEARCH
 GA The Genuine Article (R) Number: FC470
 TI DELINEATION OF OLFACTORY PATHWAYS IN THE FROG NERVOUS-SYSTEM BY UNIQUE
 GLYCOCONJUGATES AND N-CAM GLYCOFORMS
 AU KEY B (Reprint); AKESON R A
 CS CHILDRENS HOSP RES FDN, DIV BASIC RES, CINCINNATI, OH, 45229 (Reprint)
 CYA USA
 SO NEURON, (***1991***) Vol. 6, No. 3, pp. 381-396.
 DT Article; Journal
 FS LIFE
 LA ENGLISH
 REC Reference Count: 52
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 240 OF 387 USPATFULL on STN
 AN 2003:129806 USPATFULL
 TI Polypeptides having opioid receptor activity, nucleic acids coding
 therefor and uses thereof
 IN Kieffer, Brigitte, Strasbourg, FRANCE
 PA Astra Pharma Inc., Mississauga, CANADA (non-U.S. corporation)
 PI US 6562587 B1 20030513
 WO 9411500 19940526 <--
 AI US 1995-432174 19950510 (8)
 WO 1993-FR1097 19931108
 PRAI FR 1992-13526 19921110
 DT Utility
 FS GRANTED
 LN.CNT 955
 INCL INCLM: 435/069.100
 INCLS: 435/007.200; 435/252.300; 435/471.000; 530/350.000; 536/023.500
 NCL NCLM: 435/069.100
 NCLS: 435/007.200; 435/252.300; 435/471.000; 530/350.000; 536/023.500
 IC [7]
 ICM: C12P021-06
 ICS: G01N033-53; C07K001-00; C07H021-04
 EXF 435/69.1; 435/7.2; 435/240.1; 435/252.3; 435/254.11; 435/325; 435/352;
 435/363; 435/471; 536/23.5; 536/24.5; 530/350
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 241 OF 387 USPATFULL on STN
 AN 2002:290915 USPATFULL
 TI Methods and compositions for the treatment of injury to the central
 nervous system
 IN Soreq, Hermona, Jerusalem, ISRAEL
 Seidman, Shlomo, Gush Etzion, ISRAEL
 Shohami, Esther, Mevasseret Zion, ISRAEL
 PA Yissum Research Development Company of the Hebrew University of
 Jerusalem, Jerusalem, ISRAEL (non-U.S. corporation)
 PI US 6475998 B1 20021105
 WO 9839486 19980911 <--
 AI US 1999-380532 19991112 (9)
 WO 1998-US4503 19980306
 19991112 PCT 371 date
 PRAI US 1997-40203P 19970306 (60)
 DT Utility
 FS GRANTED
 LN.CNT 1758
 INCL INCLM: 514/044.000
 INCLS: 435/006.000; 435/069.100; 435/325.000; 435/366.000; 536/023.100;
 536/024.500

NCLS: 435/006.000; 435/069.100; 435/325.000; 435/366.000; 536/023.100;
536/024.500

IC [7]
ICM: A61K048-00
ICS: C12Q001-68; C07H021-064; C12N015-85
EXF 435/6; 435/69.1; 435/91.1; 435/91.31; 435/440; 435/183; 435/195;
435/196; 435/325; 435/354; 435/366; 435/368; 435/375; 435/320.1; 514/44;
536/23.1; 536/24.31; 536/24.33; 536/24.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 242 OF 387 USPATFULL on STN
AN 2002:262237 USPATFULL
TI Modifying insect cell glycosylation pathways with baculovirus expression
vectors
IN Jarvis, Donald L., Laramie, WY, United States
PA University of Wyoming, Laramie, WY, United States (U.S. corporation)
PI US 6461863 B1 20021008
WO 9806835 19980219 <--
AI US 1999-242435 19991129 (9)
WO 1997-US14428 19970815
19991129 PCT 371 date
PRAI US 1996-24078P 19960816 (60)
DT Utility
FS GRANTED
LN.CNT 7154
INCL INCLM: 435/320.100
INCLS: 435/069.100; 435/070.100; 435/325.000; 435/348.000
NCL NCLM: 435/320.100
NCLS: 435/069.100; 435/070.100; 435/325.000; 435/348.000
IC [7]
ICM: C12P021-06
ICS: C12P021-04; C12N005-00; C12N005-06; C12N015-00
EXF 435/320.1; 435/348; 435/325; 435/70.1; 435/69.1; 424/93.2; 536/23.1;
536/23.5; 536/24.1; 536/320.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 243 OF 387 USPATFULL on STN
AN 2002:34546 USPATFULL
TI Unique associated Kaposi's sarcoma virus sequences and uses thereof
IN Chang, Yuan, Irvington, NY, United States
Bohenzky, Roy A., Mountain View, CA, United States
Russo, James J., New York, NY, United States
Edelman, Isidore S., New York, NY, United States
Moore, Patrick S., Irvington, NY, United States
PA The Trustees of Columbia University in the City of New York, New York,
NY, United States (U.S. corporation)
PI US 6348586 B1 20020219
WO 9804576 19980205 <--
AI US 1999-230371 19991117 (9)
WO 1997-US13346 19970722
19991117 PCT 371 date
RLI Continuation-in-part of Ser. No. US 1996-757669, filed on 29 Nov 1996,
now patented, Pat. No. US 6183751 Continuation-in-part of Ser. No. US
1996-748640, filed on 13 Nov 1996, now patented, Pat. No. US 5854398
Continuation-in-part of Ser. No. US 1996-747887, filed on 13 Nov 1996,
now patented, Pat. No. US 5853734 Continuation-in-part of Ser. No. US
1996-728323, filed on 10 Oct 1996, now patented, Pat. No. US 5948676
Continuation-in-part of Ser. No. US 1996-708678, filed on 5 Sep 1996,
now patented, Pat. No. US 5859225 Continuation-in-part of Ser. No. US
1996-729615, filed on 25 Jul 1996, now abandoned Continuation-in-part of
Ser. No. US 1996-687253, filed on 25 Jul 1996, now patented, Pat. No. US
5854418 Continuation-in-part of Ser. No. US 1996-686350, filed on 25 Jul
1996, now patented, Pat. No. US 5831064 Continuation-in-part of Ser. No.
US 1996-686349, filed on 25 Jul 1996, now patented, Pat. No. US 5861500
Continuation-in-part of Ser. No. US 1996-686243, filed on 25 Jul 1996,
now patented, Pat. No. US 5863787
DT Utility
FS GRANTED
LN.CNT 6859
INCL INCLM: 536/023.720
INCLS: 424/231.100; 424/186.100; 424/229.100; 435/325.000; 435/320.100;
435/235.100; 435/006.000; 514/044.000; 536/023.100; 536/024.100;
536/024.320; 536/024.330; 530/350.000
NCL NCLM: 536/023.720
NCLS: 424/186.100; 424/229.100; 424/231.100; 435/006.000; 435/235.100;

536/024.320; 536/024.330

IC [7]
ICM: A61K039-245
ICS: C07H021-04; C07K014-03; C12N007-00
EXF 424/231.1; 424/186.1; 424/229.1; 435/325; 435/320.1; 435/235.1; 435/6;
514/44; 536/23.1; 536/23.72; 536/24.1; 536/24.32; 536/24.33; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 244 OF 387 USPATFULL on STN
AN 2001:125763 USPATFULL
TI Neuron-restrictive silencer factor proteins
IN Anderson, David J., Altadena, CA, United States
Schoenherr, Christopher J., Princeton, NJ, United States
PA California Institute of Technology, Pasadena, CA, United States (U.S.
corporation)
PI US 6270990 B1 20010807
WO 9627665 19960912 <--
AI US 1998-894997 19980116 (8)
WO 1996-US2817 19960301
19980116 PCT 371 date
19980116 PCT 102(e) date
RLI Continuation-in-part of Ser. No. US 1995-398590, filed on 3 Mar 1995,
now patented, Pat. No. US 5935811, issued on 10 Aug 1999
DT Utility
FS GRANTED
LN.CNT 1146
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.100; 536/023.500
NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.100; 536/023.500
IC [7]
ICM: C07H021-04
ICS: C12P021-06; C07K014-47; C12N015-63
EXF 435/69.1; 435/320.1; 435/325; 530/350; 536/23.1; 536/23.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 245 OF 387 USPATFULL on STN
AN 2001:116764 USPATFULL
TI Ataxia-telangiectasia gene and its genomic organization
IN Shiloh, Yosef, Tel Aviv, Israel
PA Ramot-University Authority for Applied Research and Industrial
Development, Tel Aviv, Israel (non-U.S. corporation)
PI US 6265158 B1 20010724
WO 9636691 19961121 <--
AI US 1998-952014 19980202 (8)
WO 1996-US7025 19960516
19980202 PCT 371 date
19980202 PCT 102(e) date
RLI Continuation-in-part of Ser. No. US 1996-629001, filed on 8 Apr 1996,
now patented, Pat. No. US 5858661 Continuation-in-part of Ser. No. US
1995-441822, filed on 16 May 1995, now patented, Pat. No. US 5756288
DT Utility
FS GRANTED
LN.CNT 3109
INCL INCLM: 435/006.000
INCLS: 536/023.100; 536/024.300; 536/024.310
NCL NCLM: 435/006.000
NCLS: 536/023.100; 536/024.300; 536/024.310
IC [7]
ICM: C12Q001-68
ICS: C07H021-04
EXF 435/6; 536/23.1; 536/24.3; 536/24.31
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 246 OF 387 USPATFULL on STN
AN 2001:48208 USPATFULL
TI Ataxia-telangiectasia gene
IN Shiloh, Yosef, Tel Aviv, Israel
Tagle, Danilo A., Gaithersburg, MD, United States
Collins, Francis, Rockville, MD, United States
PA The United States of America as represented by the Department of Health
and Human Services, Washington, DC, United States (U.S. government)
Ramot University Authority for Applied Research and Industrial Dev.,
Israel (non-U.S. corporation)
PI US 6211336 B1 20010403

AI US 1998-952127 19980226 (8)
 WO 1996-US7040 19960516
 19980226 PCT 371 date
 19980226 PCT 102(e) date
 RLI Continuation-in-part of Ser. No. US 1995-508836, filed on 28 Jul 1995,
 now patented, Pat. No. US 5777093 Continuation-in-part of Ser. No. US
 1995-493092, filed on 21 Jun 1995, now patented, Pat. No. US 5728807
 Continuation-in-part of Ser. No. US 1995-441822, filed on 16 May 1995,
 now patented, Pat. No. US 5756288
 DT Utility
 FS Granted
 LN.CNT 2279
 INCL INCLM: 530/350.000
 INCLS: 530/326.000
 NCL NCLM: 530/350.000
 NCLS: 530/326.000
 IC [7]
 ICM: C07K001-00
 ICS: C07K014-00; C07K017-00
 EXF 530/326; 530/350
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 247 OF 387 USPATFULL on STN
 AN 2001:29326 USPATFULL
 TI Binding proteins for phosphoinositides, GRP1 or general receptor 1 for
 phophoinositide
 IN Czech, Michael P., Wrentham, MA, United States
 Klarlund, Jes K., Worcester, MA, United States
 PA University of Massachusetts, Worcester, MA, United States (U.S.
 corporation)
 PI US 6194173 B1 20010227
 WO 9815629 19980416 <--
 AI US 1999-284033 19990726 (9)
 WO 1997-US18152 19971007
 19990726 PCT 371 date
 19990726 PCT 102(e) date
 RLI Continuation of Ser. No. US 1996-729834, filed on 7 Oct 1996
 DT Utility
 FS Granted
 LN.CNT 4216
 INCL INCLM: 435/069.100
 INCLS: 435/320.100; 435/325.000; 435/252.300; 435/006.000; 536/023.100;
 536/023.500
 NCL NCLM: 435/069.100
 NCLS: 435/006.000; 435/252.300; 435/320.100; 435/325.000; 536/023.100;
 536/023.500
 IC [7]
 ICM: C12P021-06
 ICS: C12N001-20; C12N015-00; C12Q001-68; C07H021-02
 EXF 435/69.1; 435/6; 435/325; 435/252.3; 435/320.1; 536/23.1; 536/23.5
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 248 OF 387 USPATFULL on STN
 AN 1999:69641 USPATFULL
 TI DNA encoding membrane protein having PRE-B cell growth-supporting
 ability and protein encoded thereby
 IN Hirano, Toshio, 7-6, Anryu 2-chome, Suminoe-ku, Osaka-shi, Japan
 Kaisho, Tsuneyasu, Hyogo, Japan
 PA Hirano, Toshio, Osaka, Japan (non-U.S. individual)
 PI US 5914252 19990622
 WO 9510536 19950420 <--
 AI US 1996-624650 19960522 (8)
 WO 1994-JP1732 19941014
 19960522 PCT 371 date
 19960522 PCT 102(e) date
 PRAI JP 1993-281622 19931015
 DT Utility
 FS Granted
 LN.CNT 1069
 INCL INCLM: 435/069.500
 INCLS: 435/071.200; 435/252.300; 435/320.100; 435/325.000; 435/471.000;
 536/023.500; 536/024.310; 530/351.000
 NCL NCLM: 435/069.500
 NCLS: 435/071.200; 435/252.300; 435/320.100; 435/325.000; 435/471.000;
 530/351.000; 536/023.500; 536/024.310

ICM: C07K014-52
 ICS: C12N015-19; C12N015-63; C12N005-10
 EXF 530/300; 530/350; 530/351; 536/23.5; 536/24.3; 536/24.31; 435/320.1;
 435/252.3; 435/325; 435/69.1; 435/69.5; 435/71.2; 435/172.3; 435/471
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 249 OF 387 USPATFULL on STN
 AN 1999:4412 USPATFULL
 TI Compositions and methods for producing sialyltransferases
 IN Paulson, James C., Del Mar, CA, United States
 Wen, Xiaohong, San Diego, CA, United States
 Livingston, Brian, San Diego, CA, United States
 Burlingame, Alma L., Sausalito, CA, United States
 Medzihradszky, Katalin, San Francisco, CA, United States
 Kelm, Sorge, Uiel, Germany, Federal Republic of
 Gillespie, William, Santa Monica, CA, United States
 PA The Regents of the University of California, Oakland, CA, United States
 (U.S. corporation)
 PI US 5858751 19990112
 WO 9504816 19950216 <--
 AI US 1995-446875 19950712 (8)
 WO 1994-US8516 19940727
 19950712 PCT 371 date
 19950712 PCT 102(e) date
 RLI Continuation-in-part of Ser. No. US 1993-102385, filed on 4 Aug 1993
 which is a continuation-in-part of Ser. No. US 1992-925369, filed on 4
 Aug 1992, now abandoned which is a continuation-in-part of Ser. No. US
 1992-850357, filed on 9 Mar 1992, now abandoned
 DT Utility
 FS Granted
 LN.CNT 3178
 INCL INCLM: 435/193.000
 INCLS: 435/069.100; 435/252.300; 435/320.100; 435/172.300; 536/023.200;
 530/350.000; 935/048.000
 NCL NCLM: 435/193.000
 NCLS: 435/069.100; 435/252.300; 435/320.100; 530/350.000; 536/023.200
 IC [6]
 ICM: C12N009-10
 ICS: C12N001-20; C12P021-06; C07H021-04
 EXF 435/193; 435/320.1; 435/252.3; 435/69.1; 435/240.2; 435/68.1; 536/23.2;
 530/350; 935/47-48
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 250 OF 387 USPATFULL on STN
 AN 1998:162655 USPATFULL
 TI Kaposi's sarcoma-associated herpesvirus (KSHV) interleukin 6 (IL-6) and
 uses thereof
 IN Chang, Yuan, New York, NY, United States
 Bohenzky, Roy A., Mountain View, CA, United States
 Russo, James J., New York, NY, United States
 Edelman, Isidore S., New York, NY, United States
 Moore, Patrick S., New York, NY, United States
 PA The Trustees of Columbia University in the City of New York, New York,
 NY, United States (U.S. corporation)
 PI US 5854398 19981229 <--
 AI US 1996-748640 19961113 (8)
 RLI Continuation-in-part of Ser. No. US 1996-686349, filed on 25 Jul 1996
 DT Utility
 FS Granted
 LN.CNT 4965
 INCL INCLM: 530/387.100
 INCLS: 424/141.100; 424/147.100; 424/159.100; 424/186.100; 424/229.100;
 435/007.100; 435/069.300; 436/548.000; 530/388.100; 530/388.300;
 530/389.100; 536/023.720
 NCL NCLM: 530/387.100
 NCLS: 424/141.100; 424/147.100; 424/159.100; 424/186.100; 424/229.100;
 435/007.100; 435/069.300; 436/548.000; 530/388.100; 530/388.300;
 530/389.100; 536/023.720
 IC [6]
 ICM: C07K016-08
 ICS: A61K039-245; G01N033-50; C07H021-04
 EXF 424/141.1; 424/147.1; 424/159.1; 424/186.1; 424/229.1; 435/7.1;
 435/69.3; 436/548; 530/387.1-388.1; 530/388.3; 530/389.1; 536/23.72
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 1998:162337 USPATFULL
 TI Hexokinase inhibitors
 IN Newgard, Christopher B., Dallas, TX, United States
 Han, He-Ping, Arlington, TX, United States
 Normington, Karl D., Dallas, TX, United States
 PA Board of Regents, The University of Texas System, Austin, TX, United States (U.S. corporation)
 Betagene, Inc., Dallas, TX, United States (U.S. corporation)
 PI US 5854067 19981229 <--
 AI US 1996-588983 19960119 (8)
 DT Utility
 FS Granted
 LN.CNT 5377
 INCL INCLM: 435/366.000
 INCLS: 425/004.000; 425/006.000; 425/091.100; 425/091.310; 425/183.000;
 425/320.100; 425/325.000; 536/023.100; 536/024.310; 536/024.500
 NCL NCLM: 435/366.000
 NCLS: 435/004.000; 435/006.000; 435/091.100; 435/091.310; 435/183.000;
 435/320.100; 435/325.000; 536/023.100; 536/024.310; 536/024.500
 IC [6]
 ICM: C12N015-85
 ICS: C12N015-00; C12N015-63; C12Q001-68
 EXF 435/325; 435/4; 435/6; 435/69.1; 435/320.1; 435/172.3; 424/94.1;
 536/23.1; 536/24.5; 514/44; 576/24.31
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 252 OF 387 USPATFULL on STN
 AN 1998:157502 USPATFULL
 TI Isolated nucleic acid molecules which hybridize to polysialyl transferases
 IN Gerardy-Schahn, Rita, Hiddenhausen, Germany, Federal Republic of
 Fukuda, Minoru, San Diego, CA, United States
 Nakayama, Jun, Matsumoto, Japan
 Eckhardt, Matthias, Hanover, Germany, Federal Republic of
 PA Boehringer Mannheim GmbH, Mannheim, Germany, Federal Republic of
 (non-U.S. corporation)
 La Jolla Cancer Research Foun., La Jolla, CA, United States (U.S. corporation)
 PI US 5849904 19981215 <--
 AI US 1995-576775 19951221 (8)
 RLI Continuation-in-part of Ser. No. US 1995-503133, filed on 17 Jul 1995
 PRAI DE 1995-116387 19951018
 DT Utility
 FS Granted
 LN.CNT 1969
 INCL INCLM: 536/024.310
 INCLS: 536/023.100; 536/024.320; 435/006.000
 NCL NCLM: 536/024.310
 NCLS: 435/006.000; 536/023.100; 536/024.320
 IC [6]
 ICM: C07H021-04
 ICS: C12Q001-68
 EXF 514/44; 436/94; 536/23.1; 536/24.5; 536/24.31; 536/24.32; 435/6
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 253 OF 387 USPATFULL on STN
 AN 1998:157496 USPATFULL
 TI CD40 coding sequences
 IN Seed, Brian, Boston, MA, United States
 Allen, Janet, Glasgow, Scotland
 Aruffo, Alejandro, Edmonds, WA, United States
 Camerini, David, Charlottesville, VA, United States
 Lauffer, Leander, Gladenbach, Germany, Federal Republic of
 Oquendo, Carmen, Gladenbach, Germany, Federal Republic of
 Simmons, David, Headington, United Kingdom
 Stamenkovic, Ivan, Winchester, MA, United States
 Stengelin, Siegfried, Eppstein, Germany, Federal Republic of
 Amiot, Martine, Nantes, France
 PA The General Hospital Corporation, Charlestown, MA, United States (U.S. corporation)
 PI US 5849898 19981215 <--
 AI US 1995-485447 19950607 (8)
 RLI Division of Ser. No. US 1992-983647, filed on 1 Dec 1992 which is a continuation-in-part of Ser. No. US 1990-553759, filed on 13 Jul 1990, now abandoned which is a continuation-in-part of Ser. No. US

continuation-in-part of Ser. No. US 1989-379076, filed on 13 Jul 1989, now abandoned which is a continuation-in-part of Ser. No. US 1988-160416, filed on 25 Feb 1988, now abandoned

DT Utility
FS Granted
LN.CNT 3541
INCL INCLM: 536/023.500
INCLS: 435/069.100; 435/257.300; 435/320.100
NCL NCLM: 536/023.500
NCLS: 435/069.100; 435/257.300; 435/320.100
IC [6]
ICM: C12N015-12
EXF 536/23.5; 435/69.1; 435/252.3; 435/320.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 254 OF 387 USPATFULL on STN
AN 1998:157304 USPATFULL
TI Soluble molecule related to but distinct from ICAM-1
IN McClelland, Alan, Old Saybrook, CT, United States
Greve, Jeffrey M., Branford, CT, United States
PA Bayer Corporation, West Haven, CT, United States (U.S. corporation)
PI US 5849699 19981215 <--
AI US 1995-425989 19950420 (8)
RLI Continuation of Ser. No. US 1993-156653, filed on 22 Nov 1993, now abandoned which is a continuation of Ser. No. US 1993-5204, filed on 15 Jan 1993, now abandoned which is a continuation of Ser. No. US 1989-449356, filed on 21 Dec 1989, now abandoned which is a continuation-in-part of Ser. No. US 1989-301192, filed on 24 Jan 1989, now patented, Pat. No. US 5235049, issued on 10 Aug 1993 And Ser. No. US 1989-445951, filed on 13 Dec 1989, now abandoned

DT Utility
FS Granted
LN.CNT 714
INCL INCLM: 514/012.000
INCLS: 530/350.000
NCL NCLM: 514/012.000
NCLS: 530/350.000
IC [6]
ICM: A61K038-17
ICS: C07K014-705
EXF 530/350; 514/12
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 255 OF 387 USPATFULL on STN
AN 1998:157192 USPATFULL
TI Isolating and culturing Schwann cells
IN Mather, Jennie P., Millbrae, CA, United States
Li, Ronghao, Millbrae, CA, United States
Chen, Jian, Burlingame, CA, United States
PA Genetech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 5849585 19981215 <--
AI US 1995-438863 19950510 (8)
DT Utility
FS Granted
LN.CNT 2621
INCL INCLM: 435/368.000
INCLS: 435/366.000; 435/363.000; 435/325.000; 435/384.000; 435/389.000;
435/387.000
NCL NCLM: 435/368.000
NCLS: 435/325.000; 435/363.000; 435/366.000; 435/384.000; 435/387.000;
435/389.000
IC [6]
ICM: C12N005-06
EXF 435/240.1; 435/240.2; 435/240.3; 435/368; 435/366; 435/363; 435/325;
435/384; 435/389; 435/387

L4 ANSWER 256 OF 387 USPATFULL on STN
AN 1998:157173 USPATFULL
TI Polypeptides from Kaposi's sarcoma-associated herpesvirus, DNA encoding same and uses thereof
IN Chang, Yuan, New York, NY, United States
Bohenzky, Roy A., Mountian View, CA, United States
Russo, James J., New York, NY, United States
Edelman, Isidore S., New York, NY, United States

PA The Trustees of Columbia University in the City of New York, New York,
 NY, United States (U.S. corporation)
 PI US 5849564 19981215 <--
 AI US 1996-770379 19961129 (8)
 DT Utility
 FS Granted
 LN.CNT 6146
 INCL INCLM: 435/252.300
 INCLS: 435/325.000; 435/320.100; 435/172.300; 536/024.320; 536/023.720;
 935/009.000; 935/011.000; 935/022.000; 935/029.000; 935/032.000
 NCL NCLM: 435/252.300
 NCLS: 435/320.100; 435/325.000; 536/023.720; 536/024.320
 IC [6]
 ICM: C07H021-04
 ICS: C12N015-63; C12N001-20
 EXF 536/23.72; 536/24.32; 435/320.1; 435/252.3; 435/325; 435/172.3; 935/9;
 935/11; 935/22; 935/29; 935/32
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 257 OF 387 USPATFULL on STN
 AN 1998:154256 USPATFULL
 TI Herpes simplex virus ORF P is a repressor of viral protein synthesis
 IN Bruni, Renato, Chicago, IL, United States
 Roizman, Bernard, Chicago, IL, United States
 PA Arch Development Corporation, Chicago, IL, United States (U.S.
 corporation)
 PI US 5846948 19981208 <--
 AI US 1996-706308 19960830 (8)
 DT Utility
 FS Granted
 LN.CNT 1662
 INCL INCLM: 514/044.000
 INCLS: 424/184.100; 424/231.100; 435/005.000; 536/023.720; 536/024.500
 NCL NCLM: 514/044.000
 NCLS: 424/184.100; 424/231.100; 435/005.000; 536/023.720; 536/024.500
 IC [6]
 ICM: A01N043-06
 ICS: A61K039-245; C07H021-04; C12Q001-68
 EXF 424/231.1; 424/184.1; 536/23.72; 536/24.5; 435/5; 514/44
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 258 OF 387 USPATFULL on STN
 AN 1998:154114 USPATFULL
 TI Nucleic acid molecules encoding a novel receptor-type protein tyrosine
 phosphatase-.sigma.
 IN Schlessinger, Joseph, New York, NY, United States
 Yan, Hai, New York, NY, United States
 PA New York University, New York, NY, United States (U.S. corporation)
 PI US 5846800 19981208 <--
 AI US 1996-716679 19960916 (8)
 RLI Continuation of Ser. No. US 1993-130570, filed on 1 Oct 1993, now
 abandoned
 DT Utility
 FS Granted
 LN.CNT 2263
 INCL INCLM: 435/196.000
 INCLS: 435/069.100; 435/254.110; 435/252.300; 435/320.100; 435/325.000;
 536/023.500; 536/023.200; 536/024.310
 NCL NCLM: 435/196.000
 NCLS: 435/069.100; 435/252.300; 435/254.110; 435/320.100; 435/325.000;
 536/023.200; 536/023.500; 536/024.310
 IC [6]
 ICM: C12N015-55
 ICS: C12N009-16; C07K014-705
 EXF 536/23.5; 536/23.2; 536/24.31; 435/69.1; 435/195; 435/325; 435/254.11;
 435/252.3; 435/196; 435/320.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 259 OF 387 USPATFULL on STN
 AN 1998:154085 USPATFULL
 TI Invertebrate apoptosis gene `GRIM` and methods of producing the protein
 encoded thereby
 IN Abrams, John M., Dallas, TX, United States
 Chen, Po, Dallas, TX, United States
 Nordstrom, William, Dallas, TX, United States

States (U.S. corporation)
 PI US 5846768 19981208 <--
 AI US 1996-684101 19960722 (8)
 DT Utility
 FS Granted
 LN.CNT 2475
 INCL INCLM: 435/069.100
 INCLS: 435/320.100; 435/172.300; 435/252.300; 435/325.000; 435/348.000;
 536/023.100; 536/024.300; 536/024.330; 536/024.100; 536/023.500
 NCL NCLM: 435/069.100
 NCLS: 435/252.300; 435/320.100; 435/325.000; 435/348.000; 536/023.100;
 536/023.500; 536/024.100; 536/024.300; 536/024.330
 IC [6]
 ICM: C07K014-435
 ICS: C12N001-21; C12N005-10; C12N015-12
 EXF 536/23.1; 536/23.5; 536/24.3; 536/24.33; 536/24.1; 435/320.1; 435/69.1;
 435/172.3; 435/252.3; 435/325; 435/348
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4 ANSWER 260 OF 387 USPATFULL on STN
 AN 1998:150785 USPATFULL
 TI Human dorsal tissue affecting factor (noggin) and nucleic acids encoding
 same
 IN Valenzuela, David M., Franklin Square, NY, United States
 Ip, Nancy Y., Stamford, CT, United States
 Cudny, Henryk D., Concord, CA, United States
 Yancopoulos, George D., Yorktown Heights, NY, United States
 Harland, Richard M., Moraga, CA, United States
 Smith, William C., Santa Barbara, CA, United States
 Lamb, Teresa, New York, NY, United States
 Knecht, Anne, Berkeley, CA, United States
 PA Regeneron Pharmaceuticals, Inc., Tarrytown, NY, United States (U.S.
 corporation)
 Regents of University of California, Oakland, CA, United States (U.S.
 corporation)
 PI US 5843775 19981201 <--
 WO 9405791 19940317 <--
 AI US 1995-392935 19950922 (8)
 WO 1993-US8326 19930902
 19950922 PCT 371 date
 19950922 PCT 102(e) date
 RLI Continuation-in-part of Ser. No. US 1992-957401, filed on 6 Oct 1992,
 now abandoned which is a continuation-in-part of Ser. No. US
 1992-950410, filed on 23 Sep 1992, now abandoned which is a
 continuation-in-part of Ser. No. US 1992-939954, filed on 3 Sep 1992
 DT Utility
 FS Granted
 LN.CNT 2367
 INCL INCLM: 435/325.000
 INCLS: 435/069.100; 435/172.300; 435/252.300; 435/254.110; 435/320.100;
 435/348.000; 530/350.000; 536/023.100; 536/023.500; 536/024.100;
 536/024.310; 536/024.330; 514/002.000; 514/008.000; 514/012.000
 NCL NCLM: 435/325.000
 NCLS: 435/069.100; 435/252.300; 435/254.110; 435/320.100; 435/348.000;
 514/002.000; 514/008.000; 514/012.000; 530/350.000; 536/023.100;
 536/023.500; 536/024.100; 536/024.310; 536/024.330
 IC [6]
 ICM: C07K014-435
 ICS: C07K014-475; C12N005-10; C12N015-12
 EXF 530/350; 536/23.1; 536/23.5; 536/24.1; 536/24.31; 536/24.33; 435/69.1;
 435/172.3; 435/240.2; 435/252.3; 435/254.11; 435/320.1; 435/325;
 435/348; 514/2; 514/8; 514/12
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4 ANSWER 261 OF 387 USPATFULL on STN
 AN 1998:150458 USPATFULL
 TI Method of preventing and treating bacterial infection of sutures and
 prosthetic devices, and promoting ingress of leukocytes into tumor foci
 IN Loike, John, Jamaica Estates, NY, United States
 Silverstein, Samuel C., New York, NY, United States
 PA The Trustees of Columbia University, in the City of New York, New York,
 NY, United States (U.S. corporation)
 PI US 5843436 19981201 <--
 AI US 1996-635572 19960422 (8)
 DT Utility

LN.CNT 1713
 INCL INCLM: 434/094.640
 INCLS: 024/423.000; 024/094.630; 024/532.000; 514/002.000
 NCL NCLM: 424/094.640
 NCLS: 424/094.630; 424/423.000; 424/532.000; 514/002.000
 IC [6]
 ICM: A61K038-49
 ICS: A61K038-14; A61F002-02; A61F004-00
 EXF 514/2; 424/94.63; 424/94.64; 424/532; 424/423
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 262 OF 387 USPATFULL on STN
 AN 1998:147555 USPATFULL
 TI Receptor-type phosphotyrosine phosphatase-sigma
 IN Schlessinger, Joseph, New York, NY, United States
 Yan, Hai, New York, NY, United States
 PA New York University, New York, NY, United States (U.S. corporation)
 PI US 5840842 19981124 <--
 AI US 1995-447464 19950524 (8)
 RLI Division of Ser. No. US 1993-130570, filed on 1 Oct 1993, now abandoned
 DT Utility
 FS Granted
 LN.CNT 2213
 INCL INCLM: 530/350.000
 INCLS: 530/300.000; 536/023.100; 536/023.500; 435/007.100; 435/069.100;
 435/252.300; 435/196.000; 435/325.000; 435/320.100; 435/194.000
 NCL NCLM: 530/350.000
 NCLS: 435/007.100; 435/069.100; 435/194.000; 435/196.000; 435/252.300;
 435/320.100; 435/325.000; 530/300.000; 536/023.100; 536/023.500
 IC [6]
 ICM: C07K014-705
 EXF 530/300; 530/350; 536/23.1; 536/23.5; 536/196; 435/7.1; 435/69.1;
 435/252.3; 435/370.1; 435/194
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 263 OF 387 USPATFULL on STN
 AN 1998:144220 USPATFULL
 TI Epitope which binds to monoclonal antibody
 IN Bosslet, Klaus, Marburg, Germany, Federal Republic of
 Pfeleiderer, Peter, Marburg, Germany, Federal Republic of
 Seemann, Gerhard, Marburg-Einhausen, Germany, Federal Republic of
 PA Behring Diagnostics GmbH, Marburg, Germany, Federal Republic of
 (non-U.S. corporation)
 PI US 5837824 19981117 <--
 AI US 1995-471771 19950606 (8)
 RLI Division of Ser. No. US 1992-957827, filed on 8 Oct 1992, now abandoned
 PRAI DE 1991-4133791 19911011
 DT Utility
 FS Granted
 LN.CNT 518
 INCL INCLM: 530/395.000
 INCLS: 536/017.900; 514/008.000; 424/277.100
 NCL NCLM: 530/395.000
 NCLS: 424/277.100; 536/017.900
 IC [6]
 ICM: C07K009-00
 EXF 424/137.1; 424/138.1; 424/139.1; 424/155.1; 424/174.1; 424/184.1;
 424/185.1; 424/277.1; 530/300; 530/350; 530/387.7; 530/388.8;
 530/388.85; 530/389.7; 530/395; 435/69.6; 435/69.3; 435/69.1; 435/70.21;
 435/172.2; 435/172.3; 536/4.1; 514/8

L4 ANSWER 264 OF 387 USPATFULL on STN
 AN 1998:144218 USPATFULL
 TI Humanized antibodies specific for ICAM related protein
 IN Gallatin, W. Michael, Seattle, WA, United States
 Vazeux, Rosemay, Seattle, WA, United States
 PA ICOS Corporation, Bothell, WA, United States (U.S. corporation)
 PI US 5837822 19981117 <--
 AI US 1995-487113 19950607 (8)
 RLI Continuation-in-part of Ser. No. US 1993-102852, filed on 5 Aug 1993,
 now abandoned which is a continuation-in-part of Ser. No. US 1993-9266,
 filed on 22 Jan 1993, now abandoned which is a continuation-in-part of
 Ser. No. US 1992-894061, filed on 5 Jun 1992, now abandoned which is a
 continuation-in-part of Ser. No. US 1992-889724, filed on 26 May 1992,
 now abandoned which is a continuation-in-part of Ser. No. US

DT Utility
FS Granted
LN.CNT 6796
INCL INCLM: 530/387.300
INCLS: 530/388.100; 530/388.220
NCL NCLM: 530/387.300
NCLS: 530/388.100; 530/388.220
IC [6]
ICM: C12P021-08
EXF 530/387.1; 530/387.3; 530/388.1; 530/388.22; 530/867
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 265 OF 387 USPATFULL on STN
AN 1998:143938 USPATFULL
TI Neuronal-neonatal gene: neuronatin
IN Joseph, Rajiv, Birmingham, MI, United States
Dou, Dexian, Dearborn, MI, United States
PA Henry Ford Health System, Detroit, MI, United States (U.S. corporation)
PI US 5837535 19981117 <--
AI US 1996-602093 19960215 (8)
RLI Continuation-in-part of Ser. No. US 1994-259299, filed on 13 Jun 1994,
now abandoned
DT Utility
FS Granted
LN.CNT 2726
INCL INCLM: 435/325.000
INCLS: 435/357.000; 435/368.000; 435/320.100; 435/252.300; 536/023.100;
536/024.100
NCL NCLM: 435/325.000
NCLS: 435/252.300; 435/320.100; 435/357.000; 435/368.000; 536/023.100;
536/024.100
IC [6]
ICM: C12N015-85
ICS: C12N015-63; C12N015-11
EXF 536/23.1; 536/23.5; 536/24.1; 435/320.1; 435/252.3; 435/325; 435/357;
435/368
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 266 OF 387 USPATFULL on STN
AN 1998:141982 USPATFULL
TI Surgical irrigation solution and method for inhibition of pain and
inflammation
IN Demopulos, Gregory A., Mercer Island, WA, United States
Pierce, Pamela A., Tiburon, CA, United States
Herz, Jeffrey M., Mill Creek, WA, United States
PA Omeros Medical Systems, Inc., Seattle, WA, United States (U.S.
corporation)
PI US 5820583 19981013 <--
AI US 1996-670699 19960626 (8)
RLI Continuation-in-part of Ser. No. US 1994-353775, filed on 12 Dec 1994,
now abandoned
DT Utility
FS Granted
LN.CNT 3404
INCL INCLM: 604/049.000
INCLS: 604/890.100
NCL NCLM: 604/500.000
NCLS: 604/890.100
IC [6]
ICM: A61M031-00
EXF 604/890.1-892.1; 604/49; 604/51-55; 604/265; 604/266; 602/48-51;
128/898; 606/191-194
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 267 OF 387 USPATFULL on STN
AN 1998:138694 USPATFULL
TI Methods of modifying carbohydrate moieties
IN Maras, Marleen, Gentbrugge, Belgium
Contreras, Roland, Merelbeke, Belgium
PA Alko Group Ltd., Helsinki, Finland (non-U.S. corporation)
PI US 5834251 19981110 <--
AI US 1994-366800 19941230 (8)
DT Utility
FS Granted
LN.CNT 1940

INCLS: 435/072.000; 435/085.000; 435/097.000; 435/099.000; 435/069.100;
435/171.000; 435/068.100
NCL NCLM: 435/071.100
NCLS: 435/068.100; 435/069.100; 435/072.000; 435/085.000; 435/097.000;
435/099.000; 435/171.000
IC [6]
ICM: C12P021-00
ICS: C12P019-18; C12P001-02
EXF 435/71.1; 435/85; 435/97; 435/99; 435/171; 435/72; 435/69.1; 435/68.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 268 OF 387 USPATFULL on STN
AN 1998:135177 USPATFULL
TI Soluble fragments of human intercellular adhesion molecule-1
IN Springer, Timothy A., Newton, MA, United States
Rothlein, Robert, Danbury, CT, United States
Marlin, Steven D., Danbury, CT, United States
Dustin, Michael L., University City, MO, United States
PA Dana Farber Cancer Institute, Boston, MA, United States (U.S.
corporation)
PI US 5831036 19981103 <--
AI US 1993-140554 19931025 (8)
RLI Division of Ser. No. US 1990-515478, filed on 27 Apr 1990, now abandoned
which is a continuation-in-part of Ser. No. US 1987-45963, filed on 4
May 1987, now abandoned Ser. No. Ser. No. US 1997-115798, filed on 2 Nov
1997, now abandoned Ser. No. Ser. No. US 1988-155943, filed on 16 Feb
1988, now abandoned Ser. No. Ser. No. US 1988-189815, filed on 3 May
1988, now abandoned Ser. No. Ser. No. US 1988-250446, filed on 28 Sep
1988, now abandoned Ser. No. Ser. No. US 1989-324481, filed on 16 Mar
1989, now abandoned Ser. No. Ser. No. US 1989-373882, filed on 30 Jun
1989, now abandoned And Ser. No. US 1989-456647, filed on 22 Dec 1989,
now abandoned
DT Utility
FS Granted
LN.CNT 5134
INCL INCLM: 530/395.000
INCLS: 424/185.100; 435/069.300; 530/300.000; 530/350.000
NCL NCLM: 530/395.000
NCLS: 424/185.100; 435/069.300; 530/300.000; 530/350.000
IC [6]
ICM: C07K014-705
ICS: A61K038-17
EXF 530/350; 530/395; 530/300; 530/868; 530/403; 424/88; 424/184.1;
424/185.1; 424/198.1; 424/199.1; 514/2; 514/8; 435/69.1; 435/69.3;
435/69.6
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 269 OF 387 USPATFULL on STN
AN 1998:135158 USPATFULL
TI Colon mucosa gene having down-regulated expression in colon adenomas and
adenocarcinomas
IN Schweinfest, Clifford W., Hampstead, MD, United States
Papas, Takis S., Potomac, MD, United States
PA The United State of America as represented by the Department of Health
and Human Services, Washington, DC, United States (U.S. government)
PI US 5831015 19981103 <--
AI US 1996-711928 19960911 (8)
RLI Division of Ser. No. US 1995-424567, filed on 17 Apr 1995, now patented,
Pat. No. US 5569755, issued on 29 Oct 1996 which is a continuation of
Ser. No. US 1993-26045, filed on 5 Mar 1993, now abandoned
DT Utility
FS Granted
LN.CNT 895
INCL INCLM: 530/350.000
INCLS: 435/183.000; 514/002.000; 514/012.000; 930/240.000; 530/412.000
NCL NCLM: 530/350.000
NCLS: 435/183.000; 530/412.000; 930/240.000
IC [6]
ICM: C07K004-12
ICS: C07K014-47
EXF 530/350; 530/412; 135/183; 514/12; 930/240
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 270 OF 387 USPATFULL on STN
AN 1998:134881 USPATFULL

IN Seed, Brian, Boston, MA, United States
 PA Aruffo, Alejandro, Edmonds, WA, United States
 The General Hospital Corporation, Charlestown, MA, United States (U.S. corporation)
 PI US 5830731 19981103 <--
 AI US 1997-861205 19970521 (8)
 RLI Continuation of Ser. No. US 1992-983647, filed on 1 Dec 1992 which is a continuation-in-part of Ser. No. US 1990-553759, filed on 13 Jul 1990, now abandoned which is a continuation of Ser. No. US 1989-379076, filed on 13 Jul 1989, now abandoned which is a continuation-in-part of Ser. No. US 1988-160416, filed on 25 Feb 1988, now abandoned
 DT Utility
 FS Granted
 LN.CNT 3587
 INCL INCLM: 435/172.300
 INCLS: 435/252.300; 435/320.100; 536/024.200
 NCL NCLM: 435/091.410
 NCLS: 435/252.300; 435/320.100; 536/024.200
 IC [6]
 ICM: C12N015-66
 EXF 435/252.7; 435/320.1; 435/172.3; 536/24.2
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 271 OF 387 USPATFULL on STN
 AN 1998:134627 USPATFULL
 TI Yeast-based delivery vehicles
 IN Duke, Richard C., Denver, CO, United States
 Franzusoff, Alex, Boulder, CO, United States
 Bellgrau, Donald, Denver, CO, United States
 PA University Technology Corporation, Boulder, CO, United States (U.S. corporation)
 PI US 5830463 19981103 <--
 AI US 1994-340185 19941115 (8)
 RLI Continuation-in-part of Ser. No. US 1993-88322, filed on 7 Jul 1993, now patented, Pat. No. US 5413914
 DT Utility
 FS Granted
 LN.CNT 1929
 INCL INCLM: 424/093.510
 INCLS: 424/093.500; 424/093.200; 435/320.100; 435/375.000; 435/172.300; 435/069.100
 NCL NCLM: 424/093.510
 NCLS: 424/093.200; 424/093.500; 435/069.100; 435/320.100; 435/375.000
 IC [6]
 ICM: C12N015-00
 ICS: C12N015-09; A61K048-00
 EXF 435/320.1; 435/240.2; 435/6; 435/7.1; 435/172.3; 435/7.2; 435/7.31; 514/44; 935/62; 935/52; 935/55; 935/56; 935/57; 935/34; 935/32; 424/93.1; 424/93.2; 424/93.21; 424/93.51; 424/93.5; 536/23.74
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 272 OF 387 USPATFULL on STN
 AN 1998:124663 USPATFULL
 TI Antibodies to sICAM-1
 IN McClelland, Alan, Old Saybrook, CT, United States
 Greve, Jeffrey M., Branford, CT, United States
 PA Bayer Corporation, West Haven, CT, United States (U.S. corporation)
 PI US 5821341 19981013 <--
 AI US 1995-443965 19950518 (8)
 RLI Division of Ser. No. US 1995-425989, filed on 20 Apr 1995 which is a continuation of Ser. No. US 1993-156653, filed on 22 Nov 1993, now abandoned which is a continuation of Ser. No. US 1993-5204, filed on 15 Jan 1993, now abandoned which is a continuation of Ser. No. US 1989-449356, filed on 21 Dec 1989, now abandoned which is a continuation-in-part of Ser. No. US 1989-445951, filed on 13 Dec 1989, now abandoned which is a continuation-in-part of Ser. No. US 1989-301192, filed on 24 Jan 1989, now patented, Pat. No. US 5235049, issued on 10 Aug 1993
 DT Utility
 FS Granted
 LN.CNT 640
 INCL INCLM: 530/388.220
 INCLS: 530/387.100; 530/387.900; 530/388.100; 530/389.600
 NCL NCLM: 530/388.220
 NCLS: 530/387.100; 530/387.900; 530/388.100; 530/389.600

ICM: C07K016-24
EXF 530/387.1; 530/387.9; 530/388.1; 530/388.22; 530/388.7; 530/388.73;
530/389.6

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 273 OF 387 USPATFULL on STN
AN 1998:124655 USPATFULL
TI Method for making heteromultimeric polypeptides
IN Carter, Paul J., San Francisco, CA, United States
Presta, Leonard G., San Francisco, CA, United States
Ridgway, John B., San Francisco, CA, United States
PA Genetech, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 5821333 19981013 <--
AI US 1995-434869 19950503 (8)
RLI Division of Ser. No. US 1995-399106, filed on 1 Mar 1995
DT Utility
FS Granted
LN.CNT 2573
INCL INCLM: 530/350.000
INCLS: 530/300.000; 530/387.100; 530/387.300; 435/172.100; 435/172.300;
435/069.100; 435/069.700; 435/070.100; 435/071.100
NCL NCLM: 530/350.000
NCLS: 435/069.100; 435/069.700; 435/070.100; 435/071.100; 530/300.000;
530/387.100; 530/387.300
IC [6]
ICM: C07K001-00
EXF 435/172.1; 435/172.3; 435/69.1; 435/69.7; 435/70.1; 435/71.1; 530/300;
530/350; 530/387.1; 530/387.3
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 274 OF 387 USPATFULL on STN
AN 1998:124452 USPATFULL
TI Hybridoma cell lines and antibodies that bind noggin
IN Valenzuela, David M., Franklin Square, NY, United States
Yancopoulos, George D., Yorktown Heights, NY, United States
Harland, Richard M., Moraga, CA, United States
Smith, William C., Santa Barbara, CA, United States
PA Regeneron Pharmaceuticals, Inc., Tarrytown, NY, United States (U.S.
corporation)
Regents of Univ. of California, Oakland, CA, United States (U.S.
corporation)
PI US 5821124 19981013 <--
AI US 1995-485721 19950607 (8)
RLI Continuation of Ser. No. US 1995-392935, filed on 3 Mar 1995 which is a
continuation-in-part of Ser. No. US 1992-957401, filed on 6 Oct 1992,
now abandoned which is a continuation-in-part of Ser. No. US
1992-950410, filed on 23 Sep 1992, now abandoned which is a
continuation-in-part of Ser. No. US 1992-939954, filed on 3 Sep 1992,
now abandoned
DT Utility
FS Granted
LN.CNT 2321
INCL INCLM: 435/331.000
INCLS: 530/387.900; 530/388.240; 530/388.850
NCL NCLM: 435/331.000
NCLS: 530/387.900; 530/388.240; 530/388.850
IC [6]
ICM: C07K016-22
ICS: C12N005-12
EXF 530/387.9; 530/388.24; 530/388.85; 434/240.27; 435/331
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 275 OF 387 USPATFULL on STN
AN 1998:124415 USPATFULL
TI Osteoblast-testicular protein tyrosine phosphatase
IN Olmsted, Elizabeth Ann, Devon, PA, United States
Mauro, Laura Jeanne, Ann Arbor, MI, United States
Davis, Alan Robert, Wayne, PA, United States
Dixon, Jack Edward, Ann Arbor, MI, United States
PA The Regents of the University of Michigan, Ann Arbor, MI, United States
(U.S. corporation)
American Home Products Corporation, Madison, NJ, United States (U.S.
corporation)
PI US 5821084 19981013 <--

DT Utility
FS Granted
LN.CNT 1892
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/252.300; 435/325.000; 536/023.500; 536/024.300
NCL NCLM: 435/069.100
NCLS: 435/252.300; 435/320.100; 435/325.000; 536/023.500; 536/024.300
IC [6]
ICM: C12N015-52
EXF 536/23.2; 536/24.3; 435/69.1; 435/320.1; 435/252.3; 435/240.2; 435/325;
935/23; 935/55; 935/70; 935/72
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 276 OF 387 USPATFULL on STN
AN 1998:115838 USPATFULL
TI Therapeutic and diagnostic methods using total leukocyte surface
antigens
IN Rittershaus, Charles W., Malden, MA, United States
PA T Cell Diagnostics, Inc., Needham, MA, United States (U.S. corporation)
PI US 5811525 19980922 <--
AI US 432322& 19950501 (8)
RLI Continuation of Ser. No. 50387, filed on 6 May 1993
DT Utility
FS Granted
LN.CNT 1719
INCL INCLM: 530/388.220
INCLS: 530/388.200; 530/388.700; 435/007.100; 435/961.000; 435/972.000
NCL NCLM: 530/388.220
NCLS: 435/007.100; 435/961.000; 435/972.000; 530/388.200; 530/388.700
IC [6]
ICM: C07K016-00
EXF 435/5; 435/7.1; 435/7.2; 435/7.24; 435/7.92; 435/961; 435/972; 435/975;
530/387.1; 530/388.2; 530/388.22; 530/388.7
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 277 OF 387 USPATFULL on STN
AN 1998:115830 USPATFULL
TI ICAM-related protein variants
IN Gallatin, W. Michael, Seattle, WA, United States
Vazeux, Rosemay, Seattle, WA, United States
PA ICOS Corporation, Bothell, WA, United States (U.S. corporation)
PI US 5811517 19980922 <--
AI US 1995-483389 19950607 (8)
RLI Division of Ser. No. US 1994-286754, filed on 5 Aug 1994, now abandoned
which is a continuation-in-part of Ser. No. US 1993-102852, filed on 5
Aug 1993, now abandoned which is a continuation-in-part of Ser. No. US
1993-9266, filed on 2 Dec 1993, now abandoned which is a
continuation-in-part of Ser. No. US 1992-894061, filed on 5 Jun 1992,
now abandoned which is a continuation-in-part of Ser. No. US
1992-889724, filed on 26 May 1992, now abandoned which is a
continuation-in-part of Ser. No. US 1992-827689, filed on 27 Jan 1992,
now abandoned
DT Utility
FS Granted
LN.CNT 5991
INCL INCLM: 530/350.000
INCLS: 536/023.400; 536/023.100; 435/069.100; 435/069.700; 435/320.100;
435/325.000; 435/252.300
NCL NCLM: 530/350.000
NCLS: 435/069.100; 435/069.700; 435/252.300; 435/320.100; 435/325.000;
536/023.100; 536/023.400
IC [6]
ICM: C07K019-00
ICS: C12N015-62
EXF 536/23.5; 536/23.1; 530/350; 530/395; 435/69.1; 435/69.7; 435/252.3;
435/320.1; 435/325
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 278 OF 387 USPATFULL on STN
AN 1998:111907 USPATFULL
TI Semaphorin gene family
IN Goodman, Corey S., Berkeley, CA, United States
Kolodkin, Alex L., Berkeley, CA, United States
Matthes, David, Berkeley, CA, United States
Bentley, David R., Berkeley, CA, United States

PA The Regents of the University of California, Oakland, CA, United States
(U.S. corporation)
PI US 5807826 19980915 <--
AI US 1997-835268 19970408 (8)
RLI Division of Ser. No. US 1993-121713, filed on 13 Sep 1993, now patented,
Pat. No. US 5639856
DT Utility
FS Granted
LN.CNT 3581
INCL INCLM: 514/012.000
INCLS: 514/014.000; 514/015.000; 514/016.000; 514/017.000; 514/021.000
NCL NCLM: 514/012.000
NCLS: 514/014.000; 514/015.000; 514/016.000; 514/017.000; 514/021.000
IC [6]
ICM: A61K038-04
ICS: A61K038-16
EXF 530/326; 530/327; 530/328; 530/329; 530/330; 530/350; 514/12; 514/14;
514/15; 514/16; 514/17; 514/21
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 279 OF 387 USPATFULL on STN
AN 1998:111793 USPATFULL
TI Method for making heteromultimeric polypeptides
IN Carter, Paul J., San Francisco, CA, United States
Presta, Leonard G., San Francisco, CA, United States
Ridgway, John B., San Francisco, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 5807706 19980915 <--
AI US 1995-433105 19950503 (8)
RLI Division of Ser. No. US 1995-399106, filed on 1 Mar 1995
DT Utility
FS Granted
LN.CNT 2576
INCL INCLM: 435/069.100
INCLS: 435/172.100; 435/172.300; 435/069.700; 435/070.100; 435/071.100;
530/300.000; 530/350.000; 530/387.100; 530/387.300
NCL NCLM: 435/069.100
NCLS: 435/069.700; 435/070.100; 435/071.100; 530/300.000; 530/350.000;
530/387.100; 530/387.300
IC [6]
ICM: C12P021-06
EXF 435/172.1; 435/172.3; 435/69.1; 435/69.7; 435/70.1; 435/71.1; 530/300;
530/350; 530/387.1; 530/387.3
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 280 OF 387 USPATFULL on STN
AN 1998:108278 USPATFULL
TI High affinity mutants of nuclear factor-interleukin 6 and methods of use
therefor
IN Brasier, Allan R., Galveston, TX, United States
PA Board of Regents, The University of Texas System, Austin, TX, United
States (U.S. corporation)
PI US 5804445 19980908 <--
AI US 1996-585197 19960111 (8)
DT Utility
FS Granted
LN.CNT 2246
INCL INCLM: 435/375.000
INCLS: 435/243.000; 435/325.000; 530/324.000
NCL NCLM: 435/375.000
NCLS: 435/243.000; 435/325.000; 530/324.000
IC [6]
ICM: C07K014-435
ICS: C12N001-20; C12N015-85
EXF 530/324; 514/2; 514/44; 435/375; 435/325; 435/243; 424/93.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 281 OF 387 USPATFULL on STN
AN 1998:103968 USPATFULL
TI Vascular irrigation solution and method for inhibition of pain,
inflammation, spasm and restenosis
IN Demopulos, Gregory A., Mercer Island, WA, United States
Pierce, Pamela A., Tiburon, CA, United States
Herz, Jeffrey M., Mill Creek, WA, United States

corporation)

PI US 5800385 19980901 <--

AI US 1996-670703 19960626 (8)

RLI Continuation-in-part of Ser. No. US 1994-353775, filed on 12 Dec 1994, now abandoned

DT Utility

FS Granted

LN.CNT 3696

INCL INCLM: 604/049.000

NCL NCLM: 604/507.000

IC [6]

ICM: A61M031-00

EXF 604/890.1-892.1; 604/49; 604/51-55; 604/265; 604/266; 128/898; 606/194

L4 ANSWER 282 OF 387 USPATFULL on STN

AN 1998:98752 USPATFULL

TI Expression of neurogenic bHLH genes in primitive neuroectodermal tumors

IN Tapscott, Stephen J., Seattle, WA, United States

Olson, James M., Seattle, WA, United States

PA Fred Hutchinson Cancer Research Center, Seattle, WA, United States (U.S. corporation)

PI US 5795723 19980818 <--

AI US 1997-910973 19970807 (8)

RLI Continuation-in-part of Ser. No. US 1995-552142, filed on 2 Nov 1995, now patented, Pat. No. US 5695995 which is a continuation-in-part of Ser. No. US 1994-239238, filed on 6 May 1994, now abandoned

DT Utility

FS Granted

LN.CNT 3095

INCL INCLM: 435/006.000

INCLS: 435/034.000; 435/069.100; 536/023.100

NCL NCLM: 435/006.000

NCLS: 435/034.000; 435/069.100; 536/023.100

IC [6]

ICM: C12Q001-68

ICS: C12Q001-04; C12P021-02; C07H021-04

EXF 435/6; 435/29; 435/325; 435/34; 435/69.1; 435/69.4; 435/172.3; 435/257.33; 435/320.1; 435/357; 435/360; 536/23.1; 536/23.5; 536/23.51

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 283 OF 387 USPATFULL on STN

AN 1998:95669 USPATFULL

TI Compositions and methods for producing and using homogenous neuronal cell transplants

IN Lee, Virginia M.-Y., Philadelphia, PA, United States

Trojanowski, John Q., Philadelphia, PA, United States

PA The Trustees of the University of Pennsylvania, Philadelphia, PA, United States (U.S. corporation)

PI US 5792900 19980811 <--

WO 9512982 19950518 <--

AI US 1996-640894 19960607 (8)

WO 1994-US12899 19941109

19960607 PCT 371 date

19960607 PCT 102(e) date

RLI Continuation of Ser. No. US 1993-150368, filed on 9 Nov 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-911980, filed on 10 Jul 1992, now abandoned which is a division of Ser. No. US 1991-780715, filed on 21 Oct 1991, now patented, Pat. No. US 5175103

DT Utility

FS Granted

LN.CNT 1120

INCL INCLM: 800/002.000

INCLS: 424/093.100; 424/093.200; 424/093.210; 424/093.700; 435/069.700; 435/070.100; 435/071.100; 435/172.300; 435/325.000; 435/368.000; 935/052.000; 935/070.000; 935/071.000; 935/099.000; 935/102.000

NCL NCLM: 800/012.000

NCLS: 424/093.100; 424/093.200; 424/093.210; 424/093.700; 435/069.700; 435/070.100; 435/071.100; 435/325.000; 435/368.000; 800/009.000

IC [6]

ICM: C12N015-00

ICS: C12N005-06

EXF 435/240.2; 435/172.3; 435/320.1; 435/69.7; 435/325; 435/368; 435/70.1; 435/71.1; 424/93.1; 424/94.1; 424/93.2; 424/93.21; 424/93.7; 514/44; 800/2; 935/99; 935/102; 935/70; 935/71; 935/52

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 284 OF 387 USPATFULL on STN
 AN 1998:92162 USPATFULL
 TI Vertebrate embryonic pattern-inducing proteins and uses related thereto
 IN Ingham, Philip W., Summertown, England
 McMahon, Andrew P., Lexington, MA, United States
 Tabin, Clifford J., Cambridge, MA, United States
 PA President and Fellows of Harvard College, Cambridge, MA, United States
 (U.S. corporation)
 PI US 5789543 19980804 <--
 AI US 1993-176427 19931230 (8)
 DT Utility
 FS Granted
 LN.CNT 4235
 INCL INCLM: 530/350.000
 INCLS: 530/300.000; 435/069.100; 424/185.100
 NCL NCLM: 530/350.000
 NCLS: 424/185.100; 435/069.100; 530/300.000
 IC [6]
 ICM: C07K014-00
 EXF 530/350; 530/300; 435/69.1; 424/185.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 285 OF 387 USPATFULL on STN
 AN 1998:88702 USPATFULL
 TI Inhibition of endogenous gastrin expression for treatment of colorectal
 cancer
 IN Singh, Pomila, Galveston, TX, United States
 Wood, Thomas G., Houston, TX, United States
 PA Board of Regents, The University of Texas System, Austin, TX, United
 States (U.S. corporation)
 PI US 5786213 19980728 <--
 AI US 1996-634546 19960418 (8)
 DT Utility
 FS Granted
 LN.CNT 1706
 INCL INCLM: 435/320.100
 INCLS: 435/060.100; 435/172.300; 435/325.000; 514/044.000; 514/002.000;
 424/093.210; 536/023.100; 536/022.300; 536/024.300
 NCL NCLM: 435/320.100
 NCLS: 424/093.210; 435/069.100; 435/325.000; 514/002.000; 514/044.000;
 536/023.100; 536/024.300
 IC [6]
 ICM: C12N005-00
 EXF 424/93.21; 514/44; 514/2; 536/22.3; 536/24.1; 536/24.3; 536/23.1;
 935/77.78; 935/325; 935/69.1; 935/172.3
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 286 OF 387 USPATFULL on STN
 AN 1998:88654 USPATFULL
 TI Natural killer cell-specific antigen and antibodies that identify the
 same
 IN Anderson, Paul, Belmont, MA, United States
 Vivier, Eric, Marseilles, France
 PA Dana-Farber Cancer Institute, Boston, MA, United States (U.S.
 corporation)
 PI US 5786160 19980728 <--
 AI US 1995-484748 19950607 (8)
 RLI Continuation-in-part of Ser. No. US 1993-113170, filed on 27 Aug 1993,
 now abandoned
 DT Utility
 FS Granted
 LN.CNT 1804
 INCL INCLM: 435/007.240
 INCLS: 424/140.100; 424/153.100; 424/183.100; 435/007.900; 435/325.000;
 435/329.000; 435/343.100; 436/518.000; 436/548.000; 530/387.300;
 530/387.500; 530/388.730; 530/391.100; 530/391.300; 530/391.700
 NCL NCLM: 435/007.240
 NCLS: 424/140.100; 424/153.100; 424/183.100; 435/007.900; 435/325.000;
 435/329.000; 435/343.100; 436/518.000; 436/548.000; 530/387.300;
 530/387.500; 530/388.730; 530/391.100; 530/391.300; 530/391.700
 IC [6]
 ICM: A61K033-395
 ICS: C07K016-28; G01N033-579
 EXF 435/7.24; 435/7.9; 435/240.27; 435/343.1; 435/329; 435/325; 436/518;
 436/548; 530/387.3; 530/387.5; 530/388.7; 530/391.1; 530/391.3;

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 287 OF 387 USPATFULL on STN
AN 1998:79323 USPATFULL
TI cDNAs associated with ataxia-telangiectasia
IN Shiloh, Yosef, Tel Aviv, Israel
Tagle, Danilo A., Gaitherburg, MD, United States
Collins, Francis S., Rockville, MD, United States
PA RAMOT-University Authority for Applied Research & Industrial Development
Ltd., Tel Aviv, Israel (non-U.S. corporation)
PI US 5777093 19980707 <--
AI US 1995-508836 19950728 (8)
RLI Continuation-in-part of Ser. No. US 1995-493092, filed on 21 Jun 1995
which is a continuation-in-part of Ser. No. US 1995-441822, filed on 16
May 1995
DT Utility
FS Granted
LN.CNT 1825
INCL INCLM: 536/023.500
INCLS: 536/023.100; 536/023.400; 435/069.100; 435/320.100; 435/325.000;
435/252.300; 530/350.000
NCL NCLM: 536/023.500
NCLS: 435/069.100; 435/252.300; 435/320.100; 435/325.000; 530/350.000;
536/023.100; 536/023.400
IC [6]
ICM: C12N015-00
EXF 536/23.5; 536/23.1; 536/24.1; 530/350; 514/12; 514/44; 435/320.1;
435/240.2; 435/252.3; 435/252.33; 435/69.1; 435/325; 424/93.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 288 OF 387 USPATFULL on STN
AN 1998:75369 USPATFULL
TI Method to identify compounds which modulate ICAM-related protein
interactions
IN Gallatin, W. Michael, Seattle, WA, United States
Vazeux, Rosemay, Seattle, WA, United States
PA ICOS Corporation, Bothell, WA, United States (U.S. corporation)
PI US 5773218 19980630 <--
AI US 1995-482882 19950607 (8)
RLI Division of Ser. No. US 1994-286754, filed on 5 Aug 1994 which is a
continuation-in-part of Ser. No. US 1993-102852, filed on 5 Aug 1993,
now abandoned which is a continuation-in-part of Ser. No. US 1993-9266,
filed on 22 Jan 1993, now abandoned And Ser. No. US 1992-894061, filed
on 5 Jun 1992, now abandoned which is a continuation-in-part of Ser. No.
US 1992-889724, filed on 26 May 1992, now abandoned which is a
continuation-in-part of Ser. No. US 1992-827689, filed on 27 Jan 1992,
now abandoned
DT Utility
FS Granted
LN.CNT 5498
INCL INCLM: 435/006.000
NCL NCLM: 435/006.000
IC [6]
ICM: C12Q001-68
EXF 435/6; 435/7.2; 435/69.1; 536/23.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 289 OF 387 USPATFULL on STN
AN 1998:72709 USPATFULL
TI ICAM-related protein fragments
IN Gallatin, W. Michael, Seattle, WA, United States
Vazeux, Rosemay, Seattle, WA, United States
PA ICOS Corporation, Bothell, WA, United States (U.S. corporation)
PI US 5770686 19980623 <--
AI US 1995-474368 19950607 (8)
RLI Division of Ser. No. US 1995-425870, filed on 20 Apr 1995, now abandoned
which is a continuation of Ser. No. US 1993-102852, filed on 5 Aug 1993,
now abandoned which is a continuation-in-part of Ser. No. US 1993-9266,
filed on 22 Jan 1993, now abandoned which is a continuation-in-part of
Ser. No. US 1992-894061, filed on 5 Jun 1992, now abandoned which is a
continuation-in-part of Ser. No. US 1992-889724, filed on 26 May 1992,
now abandoned which is a continuation-in-part of Ser. No. US
1992-827689, filed on 27 Jan 1992, now abandoned
PRAI WO 1993-US787 19930126
DT Utility

LN.CNT 3927
 INCL INCLM: 530/300.000
 INCLS: 530/317.000; 530/330.000; 530/350.000; 530/395.000
 NCL NCLM: 530/300.000
 NCLS: 530/317.000; 530/330.000; 530/350.000; 530/395.000
 IC [6]
 ICM: C07K014-705
 EXF 530/300; 530/350; 530/395; 530/330; 530/317
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 290 OF 387 USPATFULL on STN
 AN 1998:68847 USPATFULL
 TI Functional ligands for the axonal cell recognition molecule contactin
 IN Peles, Elior, Foster City, CA, United States
 PA Sugen, Inc., Redwood City, CA, United States (U.S. corporation)
 PI US 5766922 19980616 <--
 AI US 1995-452052 19950526 (8)
 DT Utility
 FS Granted
 LN.CNT 1872
 INCL INCLM: 435/244.000
 INCLS: 435/007.100; 435/007.200; 435/007.210; 435/007.920; 436/063.000;
 436/503.000
 NCL NCLM: 435/244.000
 NCLS: 435/007.100; 435/007.200; 435/007.210; 435/007.920; 436/063.000;
 436/503.000
 IC [6]
 ICM: C12N001-38
 ICS: G01N033-566; G01N033-567
 EXF 435/7.1; 435/7.21; 435/244; 435/7.92; 436/63; 530/324; 530/350;
 530/387.1; 530/391.1; 530/402; 530/839
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 291 OF 387 USPATFULL on STN
 AN 1998:68813 USPATFULL
 TI Detection of carcinoma metastases by nucleic acid amplification
 IN Sobol, Robert E., La Jolla, CA, United States
 Green, Mark R., San Diego, CA, United States
 Kawasaki, Ernest S., Richmond, CA, United States
 PA Roche Molecular Systems, Inc., Branchburg, NJ, United States (U.S. corporation)
 The University of California, Oakland, CA, United States (U.S. corporation)
 PI US 5766888 19980616 <--
 AI US 1995-454720 19950531 (8)
 RLI Continuation of Ser. No. US 1994-357565, filed on 16 Dec 1994, now patented, Pat. No. US 5543296 which is a continuation of Ser. No. US 1993-96110, filed on 22 Jul 1993, now abandoned which is a continuation of Ser. No. US 1991-720061, filed on 26 Jun 1991, now abandoned
 DT Utility
 FS Granted
 LN.CNT 1743
 INCL INCLM: 435/091.200
 INCLS: 435/006.000; 435/091.100; 536/023.100; 536/024.310; 536/024.330;
 536/025.300; 935/077.000; 935/078.000
 NCL NCLM: 435/091.200
 NCLS: 257/E33.064; 257/E33.065; 435/006.000; 435/091.100; 536/023.100;
 536/024.310; 536/024.330; 536/025.300
 IC [6]
 ICM: C12P019-34
 ICS: C12Q001-68; C07H021-04; C12N015-00
 EXF 435/6; 435/91.1; 435/91.2; 435/91.5; 435/270; 435/183; 436/94; 536/23.1;
 536/23.5; 536/24.31; 536/24.33; 536/25.3; 935/77; 935/78
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 292 OF 387 USPATFULL on STN
 AN 1998:68784 USPATFULL
 TI Isolation and use of fibronectin receptor
 IN Ruoslahti, Eric I., Rancho Santa Fe, CA, United States
 Pierschbacher, Michael D., San Diego, CA, United States
 PA La Jolla Cancer Research Foundation, La Jolla, CA, United States (U.S. corporation)
 PI US 5766857 19980616 <--
 AI US 1995-468480 19950605 (8)
 RLI Division of Ser. No. US 1993-56815, filed on 29 Apr 1993, now patented,

filed on 20 Mar 1992, now abandoned which is a continuation of Ser. No. US 1989-302047, filed on 25 Jan 1989, now abandoned which is a continuation of Ser. No. US 1985-740240, filed on 31 May 1985, now abandoned

DT Utility
FS Granted
LN.CNT 773
INCL INCLM: 435/007.100
INCLS: 435/007.200; 435/007.210; 530/413.000
NCL NCLM: 435/007.100
NCLS: 435/007.200; 435/007.210; 530/413.000
IC [6]
ICM: G07N033-53
ICS: C07K014-705; C07K017-00
EXF 435/7.1; 435/7.2; 435/7.21; 530/413
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 293 OF 387 USPATFULL on STN
AN 1998:65013 USPATFULL
TI Decay accelerating factor (DAF) and nucleic acids encoding it
IN Caras, Ingrid W., San Francisco, CA, United States
Davitz, Michael A., Bronx, NY, United States
Nussenzweig, Victor, New York, NY, United States
Martin, Jr., David W., San Francisco, CA, United States
PA Genentech, Inc., South San Francisco, United States (U.S. corporation)
New York University, New York, United States (U.S. corporation)
PI US 5763224 19980609 <--
AI US 1994-358283 19941219 (8)
RLI Continuation of Ser. No. US 1993-17934, filed on 12 Feb 1993, now patented, Pat. No. US 5374548 which is a continuation-in-part of Ser. No. US 1991-811048, filed on 19 Dec 1991, now patented, Pat. No. US 5264357 which is a division of Ser. No. US 1987-83757, filed on 6 Aug 1987, now patented, Pat. No. US 5109113 which is a continuation-in-part of Ser. No. US 1986-859107, filed on 2 May 1986, now abandoned And Ser. No. US 1985-738171, filed on 24 May 1985, now abandoned

DT Utility
FS Granted
LN.CNT 1808
INCL INCLM: 435/069.600
INCLS: 435/069.700; 435/172.300; 435/325.000; 435/252.300; 435/320.100; 536/023.500; 530/350.000; 530/829.000; 935/009.000; 935/010.000
NCL NCLM: 435/069.600
NCLS: 435/069.700; 435/252.300; 435/320.100; 435/325.000; 435/455.000; 435/488.000; 530/350.000; 530/829.000; 536/023.500
IC [6]
ICM: C12N015-12
EXF 536/23.5; 530/350; 530/829; 435/69.1; 435/69.6; 435/69.7; 435/240.2; 435/320.1; 435/252.3; 435/172.3; 435/325; 514/12; 935/9; 935/10
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 294 OF 387 USPATFULL on STN
AN 1998:64958 USPATFULL
TI Gene associated with X linked Kallmann syndrome and diagnostic applications therefrom
IN Petit, Christine, Bagneux, France
Claverie, Jean-Michel, Rockville, MD, United States
Levilliers, Jacuqeline, Gometz le Chatel, France
Legouis, Renaud, Paris, France
Hardelin, Jean-Pierre, Paris, France
Lutfalla, Georges, Paris, France
PA Institut Pasteur, Paris Cedex, France (non-U.S. corporation)
The United States of America as represented by the Department of Health and Human Services, Washington, DC, United States (U.S. government)
PI US 5763166 19980609 <--
WO 9307267 19930415 <--
AI US 1994-211430 19940630 (8)
WO 1992-FR956 19921009
19940630 PCT 371 date
19940630 PCT 102(e) date
PRAI FR 1991-12451 19911009
DT Utility
FS Granted
LN.CNT 1208
INCL INCLM: 435/006.000
INCLS: 435/007.100; 435/091.200; 435/320.100; 530/300.000; 530/350.000;

NCL NCLM: 435/006.000
NCLS: 435/007.100; 435/091.200; 435/320.100; 530/300.000; 530/350.000;
530/388.100; 536/023.500; 536/024.310; 536/024.330
IC [6]
ICM: C12Q001-68
ICS: C12P019-34; C07H021-04; C07K014-435
EXF 435/6; 435/91.2; 435/320.1; 435/7.1; 536/23.5; 536/24.31; 536/24.33;
530/350; 530/300; 530/388.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 295 OF 387 USPATFULL on STN
AN 1998:58085 USPATFULL
TI Protein with bone formation ability and process for its production
IN Amann, Egon, Tokyo, Japan
Otawara-Hamamoto, Yoko, Kamifukuoka, Japan
Kikuno, Reiko, Tokorozawa, Japan
Takeshita, Sunao, Tokorozawa, Japan
Tezuka, Kenichi, Sakado, Japan
PA Hoechst Japan Limited, Tokyo, Japan (non-U.S. corporation)
PI US 5756664 19980526 <--
AI US 1995-426627 19950421 (8)
RLI Continuation of Ser. No. US 1993-36841, filed on 25 Mar 1993, now
abandoned
PRAI JP 1992-71501 19920327
DT Utility
FS Granted
LN.CNT 1171
INCL INCLM: 530/326.000
INCLS: 530/327.000; 530/350.000; 514/012.000; 435/069.100; 536/023.500
NCL NCLM: 530/326.000
NCLS: 435/069.100; 530/327.000; 530/350.000; 536/023.500
IC [6]
ICM: C07K014-435
ICS: C07K014-51; C07K014-475; C07K007-08
EXF 435/69.1; 514/2; 514/12; 530/300; 530/350; 530/326; 530/327; 536/22.1;
536/23.1; 536/23.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 296 OF 387 USPATFULL on STN
AN 1998:57549 USPATFULL
TI Liposomally encapsulated nucleic acids having high entrapment
efficiencies, method of manufacturer and use thereof for transfection of
targeted cells
IN Thierry, Alain, Bethesda, MD, United States
Dritschilo, Anatoly, Bethesda, MD, United States
PA Georgetown University, Washington, DC, United States (U.S. corporation)
PI US 5756122 19980526 <--
AI US 1995-483090 19950607 (8)
DT Utility
FS Granted
LN.CNT 889
INCL INCLM: 424/450.000
INCLS: 935/054.000
NCL NCLM: 424/450.000
IC [6]
ICM: A61K009-127
EXF 424/450; 935/54; 935/52
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 297 OF 387 USPATFULL on STN
AN 1998:54930 USPATFULL
TI Modulators of proteins with phosphotyrosine recognition units
IN Mjalli, Adnan, Escondido, CA, United States
Sarshar, Sepehr, Cardiff by the Sea, CA, United States
Cao, Xiaodong, Carlsbad, CA, United States
Bakir, Farid, San Diego, CA, United States
PA Ontogen Corporation, Carlsbad, CA, United States (U.S. corporation)
PI US 5753687 19980519 <--
AI US 1996-766114 19961216 (8)
RLI Continuation-in-part of Ser. No. US 1995-543630, filed on 16 Oct 1995
DT Utility
FS Granted
LN.CNT 2522
INCL INCLM: 514/396.000
INCLS: 514/397.000; 548/311.100; 548/311.700; 548/312.100; 548/314.700;

NCL NCLM: 514/396.000
NCLS: 514/397.000; 548/311.100; 548/311.700; 548/312.100; 548/314.700;
548/315.400; 548/335.100; 548/338.100; 548/343.500
IC [6]
ICM: A61K031-415
ICS: C07D233-54; C07D233-56; C07D233-66
EXF 548/311.1; 548/335.1; 548/343.5; 514/396; 514/397
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 298 OF 387 USPATFULL on STN
AN 1998:54766 USPATFULL
TI Molecular cloning of genomic and CDNA sequences encoding cellular
receptors for poliovirus
IN Racaniello, Vincent, New York, NY, United States
Mendelsohn, Cathy, Strasbourg, France
Costantini, Frank, New York, NY, United States
PA The Trustees of Columbia University in the City of New York, New York,
NY, United States (U.S. corporation)
PI US 5753521 19980519 <--
AI US 1995-446049 19950519 (8)
RLI Continuation of Ser. No. US 1994-182371, filed on 14 Jan 1994, now
patented, Pat. No. US 5631407 which is a continuation of Ser. No. US
1990-495744, filed on 19 Mar 1990, now abandoned which is a
continuation-in-part of Ser. No. US 1989-321957, filed on 10 Mar 1989,
now abandoned
DT Utility
FS Granted
LN.CNT 1367
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 536/023.500
NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/325.000; 536/023.500
IC [6]
ICM: C07H021-04
ICS: C12N015-63; C12N015-81; C12N015-85
EXF 536/23.5; 536/23.1; 435/69.1; 435/32.5; 435/320.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 299 OF 387 USPATFULL on STN
AN 1998:54711 USPATFULL
TI DNA encoding a polypeptide having pre-B cell growth-supporting ability
IN Hirano, Toshio, 7-6, Anryu 2-chome, Suminoe-Ku, Osaki-Shi, Osaka-Fu 559,
Japan
Kaisho, Tsuneyasu, Nishinomiya, Japan
PA Hirano, Toshio, Osaka, Japan (non-U.S. individual)
PI US 5753464 19980519 <--
WO 9428130 19941208 <--
AI US 1995-537942 19951121 (8)
WO 1994-JP819 19940520
19951121 PCT 371 date
19951121 PCT 102(e) date
PRAI JP 1993-141178 19930521
DT Utility
FS Granted
LN.CNT 1055
INCL INCLM: 435/069.400
INCLS: 435/240.200; 435/325.000; 435/320.100; 536/023.500
NCL NCLM: 435/069.400
NCLS: 435/320.100; 435/325.000; 435/358.000; 435/365.000; 435/367.000;
435/372.200; 536/023.500
IC [6]
ICM: C12N015-16
ICS: C12N015-36
EXF 435/69.4; 435/240.2; 435/325; 435/320.1; 536/23.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 300 OF 387 USPATFULL on STN
AN 1998:51580 USPATFULL
TI Cloning, expression and uses of a secreted protein, F-spondin
IN Jessell, Thomas M., New York, NY, United States
Klar, Avihu, Jerusalem, Israel
PA The Trustees of Columbia University in City of New York, New York, NY,
United States (U.S. corporation)
PI US 5750502 19980512 <--
WO 9320196 19931014 <--

WO 1993-US3164

19930402

19950105 PCT 371 date

19950105 PCT 102(e) date

RLI Continuation-in-part of Ser. No. US 1992-862021, filed on 2 Apr 1992,
now patented, Pat. No. US 5279966

DT Utility

FS Granted

LN.CNT 1967

INCL INCLM: 514/012.000

INCLS: 435/069.100; 530/350.000

NCL NCLM: 514/012.000

NCLS: 435/069.100; 530/350.000

IC [6]

ICM: A61K038-16

EXF 435/69.1; 435/252.3; 435/240.2; 435/325; 435/320.1; 514/2; 514/12;
530/350; 530/412

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 301 OF 387 USPATFULL on STN

AN 1998:48244 USPATFULL

TI Isolated nucleic acid molecules which encode mammalian .alpha.2,8
polysialyl transferases

IN Gerardy-Schahn, Rita, Hiddenhausen, Germany, Federal Republic of
Fukuda, Minoru, San Diego, CA, United States

Nakayama, Jun, San Diego, CA, United States

Eckhardt, Matthias, Hanover, Germany, Federal Republic of

PA La Jolla Cancer Research Foundation, La Jolla, CA, United States (U.S.
corporation)

Boehringer Mannheim GmbH, Penzberg, Germany, Federal Republic of
(non-U.S. corporation)

PI US 5747326 19980505

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AI US 1995-503133 19950717 (8)

DT Utility

FS Granted

LN.CNT 1700

INCL INCLM: 435/240.200

INCLS: 435/252.300; 435/252.330; 435/193.000; 435/320.100; 435/069.100;
536/023.200; 536/023.500; 530/350.000

NCL NCLM: 435/325.000

NCLS: 435/069.100; 435/193.000; 435/252.300; 435/252.330; 435/320.100;
435/348.000; 435/358.000; 435/365.000; 530/350.000; 536/023.200;
536/023.500

IC [6]

ICM: C12N015-00

ICS: C12N015-63; C12N009-10; C07H021-04

EXF 435/240.2; 435/320.1; 435/252.3; 435/193; 435/252.33; 536/23.1;
536/23.2; 536/23.5; 536/23.7; 530/350

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 302 OF 387 USPATFULL on STN

AN 1998:45044 USPATFULL

TI Methods of detection of epstein barr virus induced genes expressed in
the placenta

IN Birkenbach, Mark, Tinley Park, IL, United States

Kieff, Elliott, Brookline, MA, United States

PA Brigham and Women's Hospital, Boston, MA, United States (U.S.
corporation)

PI US 5744301 19980428

<--

AI US 1995-383750 19950202 (8)

RLI Continuation-in-part of Ser. No. US 1994-352678, filed on 30 Nov 1994
which is a continuation of Ser. No. US 1992-980518, filed on 25 Nov
1992, now abandoned

DT Utility

FS Granted

LN.CNT 2449

INCL INCLM: 435/006.000

INCLS: 514/044.000; 536/023.500; 435/005.000

NCL NCLM: 435/006.000

NCLS: 435/005.000; 514/044.000; 536/023.500

IC [6]

ICM: C12Q001-68

EXF 514/44; 435/5; 435/6; 536/24.5; 536/23.5

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 303 OF 387 USPATFULL on STN

TI Monoclonal antibody to human cell adhesion molecule
 IN Reid, Robert Alan, Durham, NC, United States
 Hemperly, John Jacob, Apex, NC, United States
 PA Becton, Dickinson and Company, Franklin Lakes, NJ, United States (U.S.
 corporation)
 PI US 5739289 19980414 <--
 AI US 1996-714901 19960917 (8)
 RLI Division of Ser. No. US 1995-408093, filed on 21 Mar 1995, now patented,
 Pat. No. US 5688916 which is a division of Ser. No. US 1993-40741, filed
 on 26 Mar 1993
 DT Utility
 FS Granted
 LN.CNT 690
 INCL INCLM: 530/388.100
 INCLS: 435/069.100; 435/070.200; 530/387.100; 530/350.000; 530/300.000;
 424/143.100; 935/089.000
 NCL NCLM: 530/388.100
 NCLS: 424/143.100; 435/069.100; 435/070.200; 530/300.000; 530/350.000;
 530/387.100
 IC [6]
 ICM: C07K016-28
 EXF 435/69.1; 435/70.2; 536/23.1; 536/23.5; 935/89; 530/350; 530/300;
 530/387.1; 530/388.1; 424/143.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 304 OF 387 USPATFULL on STN
 AN 1998:30879 USPATFULL
 TI Method for making heteromultimeric polypeptides
 IN Carter, Paul J., San Francisco, CA, United States
 Presta, Leonard G., San Francisco, CA, United States
 Ridgway, John B., San Francisco, CA, United States
 PA Genentech, Inc., South San Francisco, CA, United States (U.S.
 corporation)
 PI US 5731168 19980324 <--
 AI US 1995-399106 19950301 (8)
 DT Utility
 FS Granted
 LN.CNT 2657
 INCL INCLM: 435/069.100
 INCLS: 435/172.100; 435/172.300; 435/070.100; 435/071.100; 435/069.700;
 530/300.000; 530/350.000; 530/387.100; 530/387.300; 536/023.100;
 536/023.400; 536/023.500; 536/023.530
 NCL NCLM: 435/069.100
 NCLS: 435/069.700; 435/070.100; 435/071.100; 530/300.000; 530/350.000;
 530/387.100; 530/387.300; 536/023.100; 536/023.400; 536/023.500;
 536/023.530
 IC [6]
 ICM: C12D021-06
 EXF 435/172.1; 435/172.3; 435/69.1; 435/70.1; 435/71.1; 435/69.7; 530/300;
 530/350; 530/387.1; 530/387.3; 536/23.1; 536/23.4; 536/23.5; 536/23.53
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 305 OF 387 USPATFULL on STN
 AN 1998:30865 USPATFULL
 TI Method for detecting human contactin
 IN Reid, Robert Alan, Durham, NC, United States
 Hemperly, John Jacob, Apex, NC, United States
 PA Becton, Dickinson and Company, Franklin Lakes, NJ, United States (U.S.
 corporation)
 PI US 5731154 19980324 <--
 AI US 1995-408420 19950321 (8)
 RLI Division of Ser. No. US 1993-40741, filed on 26 Mar 1993
 DT Utility
 FS Granted
 LN.CNT 704
 INCL INCLM: 435/007.100
 INCLS: 435/007.920; 435/240.270
 NCL NCLM: 435/007.100
 NCLS: 435/007.920
 IC [6]
 ICM: G01N033-53
 ICS: G01N033-537
 EXF 435/7.1; 435/7.92; 435/240.27; 530/387.1; 530/388.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 1998:28186 USPATFULL
 TI Mutated proteins associated with ataxia-telangiectasia
 IN Shiloh, Yosef, Tel Aviv, Israel
 Tagle, Danilo A., Gaitherburg, MD, United States
 Collins, Francis S., Rockville, MD, United States
 PA Ramot-University Authority For Applied Research and Industrial
 Development, Ltd., Tel Aviv, Israel (non-U.S. corporation)
 PI US 5728807 19980317 <--
 AI US 1995-493092 19950621 (8)
 RLI Continuation-in-part of Ser. No. US 1995-441822, filed on 16 May 1995
 DT Utility
 FS Granted
 LN.CNT 1637
 INCL INCLM: 530/350.000
 INCLS: 530/324.000; 530/326.000; 536/023.100; 536/023.500; 536/023.200
 NCL NCLM: 530/350.000
 NCLS: 530/324.000; 530/326.000; 536/023.100; 536/023.200; 536/023.500
 IC [6]
 ICM: C07K014-00
 ICS: C07K014-435
 EXF 530/350; 530/324; 530/326; 536/23.1; 536/23.5
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 307 OF 387 USPATFULL on STN
 AN 1998:19612 USPATFULL
 TI Isolating and culturing schwann cells
 IN Mather, Jennie P., Millbrae, CA, United States
 Li, Ronghao, Millbrae, CA, United States
 Chen, Jian, Burlingame, CA, United States
 PA Genentech, Inc., South San Francisco, CA, United States (U.S.
 corporation)
 PI US 5721139 19980224 <--
 AI US 1995-435436 19950510 (8)
 DT Utility
 FS Granted
 LN.CNT 2614
 INCL INCLM: 435/383.000
 INCLS: 435/368.000; 435/366.000; 435/363.000; 435/325.000; 435/384.000;
 435/387.000
 NCL NCLM: 435/383.000
 NCLS: 435/325.000; 435/363.000; 435/366.000; 435/368.000; 435/384.000;
 435/387.000
 IC [6]
 ICM: C12N005-06
 EXF 435/240.1; 435/240.2; 435/240.3; 435/368; 435/366; 435/363; 435/325;
 435/384; 435/389; 435/387
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 308 OF 387 USPATFULL on STN
 AN 1998:11929 USPATFULL
 TI Media for culturing schwann cells
 IN Mather, Jennie P., Millbrae, CA, United States
 Li, Ronghao, Millbrae, CA, United States
 Chen, Jian, Burlingame, CA, United States
 PA Genentech, Inc., South San Francisco, CA, United States (U.S.
 corporation)
 PI US 5714385 19980203 <--
 AI US 1995-435434 19950510 (8)
 DT Utility
 FS Granted
 LN.CNT 2621
 INCL INCLM: 435/406.000
 INCLS: 435/404.000; 435/405.000
 NCL NCLM: 435/406.000
 NCLS: 435/404.000; 435/405.000
 IC [6]
 ICM: C12N005-00
 EXF 435/240.3; 435/240.2; 435/240.1; 435/406; 435/405; 435/404
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 309 OF 387 USPATFULL on STN
 AN 1998:11702 USPATFULL
 TI Hybrid immunoglobulins
 IN Capon, Daniel J., San Mateo, CA, United States
 Lasky, Laurence A., Sausalito, CA, United States

corporation)
PI US 5714147 19980203 <--
AI US 1995-451848 19950526 (8)
RLI Continuation of Ser. No. US 1994-185670, filed on 21 Jan 1994, now patented, Pat. No. US 5514582 which is a continuation of Ser. No. US 1992-986931, filed on 8 Dec 1992, now patented, Pat. No. US 5428130 which is a continuation of Ser. No. US 1991-808122, filed on 19 Dec 1991, now patented, Pat. No. US 5225538 which is a division of Ser. No. US 1989-440625, filed on 22 Nov 1989, now patented, Pat. No. US 5116964 which is a continuation-in-part of Ser. No. US 1989-315015, filed on 23 Feb 1989, now patented, Pat. No. US 5098853
DT Utility
FS Granted
LN.CNT 2709
INCL INCLM: 424/178.100
INCLS: 435/697.000; 530/387.100; 536/023.400
NCL NCLM: 424/178.100
NCLS: 435/069.700; 530/387.100; 536/023.700
IC [6]
ICM: A61K039-395
EXF 435/69.7; 514/2; 530/35; 530/387.1; 536/23.4; 424/178.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 310 OF 387 USPATFULL on STN
AN 1998:6783 USPATFULL
TI Antibodies specific for Rse receptor protein tyrosine kinase
IN Godowski, Paul J., Burlingame, CA, United States
Mark, Melanie R., Burlingame, CA, United States
Scadden, David T., Weston, MA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
New England Deaconess Hosp., Boston, MA, United States (U.S. corporation)

PI US 5709858 19980120 <--
AI US 1995-445640 19950522 (8)
RLI Continuation of Ser. No. US 1993-170558, filed on 20 Dec 1993 which is a continuation of Ser. No. US 1993-157563, filed on 23 Nov 1993, now abandoned
DT Utility
FS Granted
LN.CNT 3805
INCL INCLM: 424/143.100
INCLS: 424/139.100; 435/007.400; 530/387.900; 530/388.220; 530/387.300; 530/391.100; 530/391.300
NCL NCLM: 424/143.100
NCLS: 424/139.100; 435/007.400; 530/387.300; 530/387.900; 530/388.220; 530/391.100; 530/391.300
IC [6]
ICM: A61K039-395
ICS: C07K016-28
EXF 530/387.1; 530/387.9; 530/387.3; 530/388.22; 530/391.1; 530/391.3; 424/130.1; 424/139.1; 424/143.1; 435/7.4
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 311 OF 387 USPATFULL on STN
AN 1998:1471 USPATFULL
TI Methods and compositions based on inhibition of cell invasion and fibrosis by anionic polymers
IN Roufa, Dikla, St. Louis, MO, United States
Harel, Adrian, Nes-Ziona, Israel
Frederickson, Robert C. A., Cleveland, OH, United States
Coker, III, George T., Mountain View, CA, United States
PA Gliatech, Inc., Beachwood, OH, United States (U.S. corporation)
PI US 5705178 19980106 <--
AI US 1993-164266 19931208 (8)
RLI Continuation-in-part of Ser. No. US 1994-150185, filed on 26 Jul 1994 which is a continuation-in-part of Ser. No. US 1991-708660, filed on 31 May 1991, now patented, Pat. No. US 5605938
DT Utility
FS Granted
LN.CNT 2539
INCL INCLM: 424/422.000
INCLS: 514/059.000; 514/054.000
NCL NCLM: 514/059.000
NCLS: 514/054.000

ICM: A61K047-36
EXF 424/422; 514/59; 514/54
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 312 OF 387 USPATFULL on STN
AN 1998:1470 USPATFULL
TI Methods and compositions based on inhibition of cell invasion and
fibrosis by anionic polymers
IN Roufa, Dikla, St. Louis, MO, United States
Harel, Adrian, Nes-Ziona, Israel
Frederickson, Robert C. A., Seattle, WA, United States
Coker, III, George T., Mountain View, CA, United States
PA Gliatech Inc., Beachwood, OH, United States (U.S. corporation)
PI US 5705177 19980106 <--
WO 9221354 19921210 <--
AI US 1994-150185 19940726 (8)
WO 1992-US4474 19920529
19940726 PCT 371 date
19940726 PCT 102(e) date
RLI Continuation-in-part of Ser. No. US 1991-708660, filed on 31 May 1991,
now patented, Pat. No. US 5605938
DT Utility
FS Granted
LN.CNT 2123
INCL INCLM: 424/422.000
INCLS: 424/423.000; 424/426.000; 514/054.000; 514/059.000; 514/021.000;
514/002.000
NCL NCLM: 424/422.000
NCLS: 424/423.000; 424/426.000; 514/002.000; 514/021.000; 514/054.000;
514/059.000
IC [6]
ICM: A61F013-00
ICS: A61K038-00; A61K031-715
EXF 424/422; 424/423; 424/426; 514/59; 514/54; 514/2; 514/8; 514/21
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 313 OF 387 USPATFULL on STN
AN 97:114931 USPATFULL
TI Modified anti-ICAM-1 antibodies and their use in the treatment of
inflammation
IN Faanes, Ronald Bertrand, Pound Ridge, NY, United States
McGoff, Paul Edward, Watertown, CT, United States
Shirley, Bret Allen, New Milford, CT, United States
Scher, David Stuart, Danbury, CT, United States
PA Boehringer Ingelheim Pharmaceuticals, Inc., Ridgefield, CT, United
States (U.S. corporation)
PI US 5695760 19971209 <--
AI US 1995-427355 19950424 (8)
DT Utility
FS Granted
LN.CNT 3085
INCL INCLM: 424/178.100
INCLS: 424/181.100; 530/391.100; 530/388.850
NCL NCLM: 424/178.100
NCLS: 424/181.100; 530/388.850; 530/391.100
IC [6]
ICM: A61K039-395
ICS: C07K016-28
EXF 530/391.1; 530/388.85; 424/181.1; 424/178.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 314 OF 387 USPATFULL on STN
AN 97:114929 USPATFULL
TI Monoclonal antibodies against tumor-associated antigens, processes for
the preparation thereof and the use thereof
IN Bosslet, Klaus, Marburg, Germany, Federal Republic of
Pfleiderer, Peter, Marburg, Germany, Federal Republic of
Seemann, Gerhard, Marburg-Elnhausen, Germany, Federal Republic of
PA Behringwerke Aktiengesellschaft, Marburg, Germany, Federal Republic of
(non-U.S. corporation)
PI US 5695758 19971209 <--
AI US 1995-478857 19950607 (8)
RLI Continuation of Ser. No. US 1992-957827, filed on 8 Oct 1992, now
abandoned
PRAI DE 1991-4133791 19911011

FS Granted
 LN.CNT 548
 INCL INCLM: 424/133.100
 INCLS: 424/138.100; 424/174.100; 435/328.000; 435/330.000; 435/344.000;
 435/355.000; 530/387.300; 530/387.700; 530/388.800
 NCL NCLM: 424/133.100
 NCLS: 424/138.100; 424/174.100; 435/328.000; 435/330.000; 435/344.000;
 435/355.000; 530/387.300; 530/387.700; 530/388.800
 IC [6]
 ICM: A61K039-395
 ICS: C12N005-12
 EXF 424/133.1; 424/137.1; 424/138.1; 424/139.1; 424/155.1; 424/174.1;
 424/184.1; 424/185.1; 424/277.1; 435/69.6; 435/70.21; 435/172.2;
 435/172.3; 435/174.1; 435/328; 435/330; 435/344; 435/355; 530/300;
 530/350; 530/387.7; 530/388.8; 530/388.85; 530/389.7; 530/387.3
 L4 ANSWER 315 OF 387 USPATFULL on STN
 AN 97:112605 USPATFULL
 TI Production and use of anti-dorsalizing morphogenetic protein
 IN Moos, Jr., Malcolm, Bethesda, MD, United States
 Krinks, Marie, Rockville, MD, United States
 Wang, Shouwen, Rockville, MD, United States
 PA The United States of America as represented by the Department of Health
 and Human Services, Washington, DC, United States (U.S. government)
 PI US 5693779 19971202 <--
 AI US 1994-335583 19941108 (8)
 DT Utility
 FS Granted
 LN.CNT 1311
 INCL INCLM: 536/023.500
 INCLS: 530/399.000; 930/120.000; 514/012.000
 NCL NCLM: 536/023.500
 NCLS: 530/399.000; 930/120.000
 IC [6]
 ICM: C07H021-04
 ICS: C07K014-51; C12N015-12; A61K038-18
 EXF 536/23.5; 530/399; 930/120; 514/12
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4 ANSWER 316 OF 387 USPATFULL on STN
 AN 97:112357 USPATFULL
 TI Anti-cancer immunotherapeutics
 IN Chada, Sunil, Vista, CA, United States
 Bodner, Mordechai, San Diego, CA, United States
 Jolly, Douglas J., La Jolla, CA, United States
 Barber, Jack R., San Diego, CA, United States
 DeJesus, Caty E., San Diego, CA, United States
 PA Chiron Viagene, Inc., United States (U.S. corporation)
 PI US 5693522 19971202 <--
 AI US 1995-371922 19950111 (8)
 RLI Continuation of Ser. No. US 1993-104424, filed on 9 Aug 1993, now
 abandoned which is a continuation of Ser. No. US 1991-800328, filed on
 29 Nov 1991, now abandoned
 DT Utility
 FS Granted
 LN.CNT 1669
 INCL INCLM: 435/002.402
 INCLS: 435/172.300; 435/320.100; 536/023.100
 NCL NCLM: 435/325.000
 NCLS: 435/320.100; 435/350.000; 435/353.000; 435/357.000; 435/364.000;
 435/366.000; 536/023.100
 IC [6]
 ICM: C12N015-00
 ICS: C12N005-00; C07H021-02
 EXF 435/320.1; 435/172.3; 435/240.2
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4 ANSWER 317 OF 387 USPATFULL on STN
 AN 97:109761 USPATFULL
 TI p16 expression constructs and their application in cancer therapy
 IN Jin, Xiaomei, Houston, TX, United States
 Roth, Jack A., Houston, TX, United States
 PA Board of Regents, The University of Texas System, Austin, TX, United
 States (U.S. corporation)
 PI US 5691198 19971125 <--

DT Utility
FS Granted
LN.CNT 2227
INCL INCLM: 435/320.100
INCLS: 435/172.300; 435/240.250; 514/044.000
NCL NCLM: 435/320.100
NCLS: 435/172.300; 435/240.250; 514/044.000
IC [6]
ICM: A61K048-00
ICS: C12N005-00; C12N015-00
EXF 514/44; 514/8; 514/2; 536/23.1; 536/24.1; 536/172.3; 536/240.25;
536/320.1; 424/93.21
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 318 OF 387 USPATFULL on STN
AN 97:107200 USPATFULL
TI Human cell adhesion molecule
IN Reid, Robert Alan, Durham, NC, United States
Hemperly, John Jacob, Apex, NC, United States
PA Becton, Dickinson and Company, Franklin Lakes, NJ, United States (U.S.
corporation)
PI US 5688916 19971118 <--
AI US 1995-408093 19950321 (8)
RLI Division of Ser. No. US 1993-40741, filed on 26 Mar 1993
DT Utility
FS Granted
LN.CNT 695
INCL INCLM: 530/350.000
INCLS: 530/300.000; 536/023.500
NCL NCLM: 530/350.000
NCLS: 530/300.000; 536/023.500
IC [6]
ICM: C07K014-705
ICS: A61K038-00
EXF 530/350; 530/300; 536/23.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 319 OF 387 USPATFULL on STN
AN 97:106945 USPATFULL
TI Cytokine-induced marker for inflammatory response
IN Dixit, Vishva M., Ann Arbor, MI, United States
PA The Regents of the University of Michigan, Ann Arbor, MI, United States
(U.S. corporation)
PI US 5688656 19971118 <--
AI US 1995-441216 19950515 (8)
RLI Division of Ser. No. US 1994-321162, filed on 11 Oct 1994, now patented,
Pat. No. US 5599669, issued on 4 Feb 1997 which is a continuation of
Ser. No. US 1993-164611, filed on 8 Dec 1993, now abandoned which is a
continuation of Ser. No. US 1990-607741, filed on 16 Oct 1990, now
abandoned
DT Utility
FS Granted
LN.CNT 944
INCL INCLM: 435/007.210
INCLS: 435/069.100; 436/518.000; 436/536.000; 530/388.230; 530/389.200;
530/395.000
NCL NCLM: 435/007.210
NCLS: 435/069.100; 436/518.000; 436/536.000; 530/388.230; 530/389.200;
530/395.000
IC [6]
ICM: C07K014-47
ICS: C07K016-18; G01N033-536; G01N033-543
EXF 435/7.1; 435/7.21; 436/518; 436/536; 436/69.1; 530/388.23; 530/389.2;
530/395
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 320 OF 387 USPATFULL on STN
AN 97:104606 USPATFULL
TI Multimeric forms of human rhinovirus receptor protein
IN Greve, Jeffrey M., Woodbridge, CT, United States
McClelland, Alan, Old Saybrook, CT, United States
PA Bayer Corporation, West Haven, CT, United States (U.S. corporation)
PI US 5686582 19971111 <--
AI US 1995-464083 19950605 (8)
RLI Continuation of Ser. No. US 1994-318038, filed on 4 Oct 1994 which is a

abandoned which is a continuation of Ser. No. US 1992-977590, filed on 17 Nov 1992, now abandoned which is a continuation of Ser. No. US 1991-704984, filed on 24 May 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-556238, filed on 20 Jul 1990, now abandoned

DT Utility
FS Granted
LN.CNT 2143
INCL INCLM: 530/402.000
INCLS: 530/395.000; 530/403.000; 424/185.100; 424/193.100; 424/194.100
NCL NCLM: 530/402.000
NCLS: 424/185.100; 424/193.100; 424/194.100; 530/395.000; 530/403.000
IC [6]
ICM: C07K014-705
ICS: A61K038-00
EXF 530/350; 530/395; 530/402; 530/403; 424/185.1; 424/193.1; 424/194.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 321 OF 387 USPATFULL on STN
AN 97:104605 USPATFULL
TI Multimeric form of human rhinovirus receptor protein
IN Greve, Jeffrey M., Branford, CT, United States
McClelland, Alan, Old Saybrook, CT, United States
PA Bayer Corporation, West Haven, CT, United States (U.S. corporation)
PI US 5686581 19971111 <--
AI US 1995-469581 19950605 (8)
RLI Continuation of Ser. No. US 1994-318039, filed on 4 Oct 1994 which is a continuation of Ser. No. US 1993-159076, filed on 29 Nov 1993, now abandoned which is a continuation of Ser. No. US 1992-977589, filed on 17 Nov 1992, now abandoned which is a continuation of Ser. No. US 1990-556238, filed on 20 Jul 1990, now abandoned

DT Utility
FS Granted
LN.CNT 1402
INCL INCLM: 530/402.000
INCLS: 530/350.000; 530/395.000; 530/403.000; 424/185.100; 424/193.100; 424/194.100
NCL NCLM: 530/402.000
NCLS: 424/185.100; 424/193.100; 424/194.100; 530/350.000; 530/395.000; 530/403.000
IC [6]
ICM: C07K014-705
ICS: A61K038-00
EXF 530/350; 530/395; 530/402; 530/403; 424/185.1; 424/193.1; 424/193.4
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 322 OF 387 USPATFULL on STN
AN 97:104295 USPATFULL
TI Method for enhancing gene expression
IN Wurm, Florian M., Redwood City, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S. corporation)
PI US 5686263 19971111 <--
WO 9221763 19921210 <--
AI US 1994-157007 19940128 (8)
WO 1992-US4469 19920529
19940128 PCT 371 date
19940128 PCT 102(e) date

RLI Continuation-in-part of Ser. No. US 1991-708155, filed on 31 May 1991, now abandoned

DT Utility
FS Granted
LN.CNT 1326
INCL INCLM: 435/069.100
INCLS: 435/172.300
NCL NCLM: 435/069.100
NCLS: 435/463.000
IC [6]
ICM: C12P021-02
ICS: C12N015-64
EXF 435/172.3; 435/240.2; 435/320.1; 435/69.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 323 OF 387 USPATFULL on STN
AN 97:101884 USPATFULL

pharmaceutical compositions
 IN Schwab, Martin E., Zurich, Switzerland
 Caroni, Pierenrico W., Zurich, Switzerland
 PA Erziehungsdirektion of the Canton Zurich, Zurich, Switzerland (non-U.S. corporation)
 PI US 5684133 19971104 <--
 AI US 1989-401212 19890830 (7)
 RLI Continuation-in-part of Ser. No. US 1988-267941, filed on 4 Nov 1988, now abandoned
 DT Utility
 FS Granted
 LN.CNT 4086
 INCL INCLM: 530/350.000
 INCLS: 530/399.000; 530/387.900; 530/388.240; 424/085.800; 514/002.000; 514/008.000; 514/012.000; 435/020.210; 436/548.000; 436/519.000
 NCL NCLM: 530/350.000
 NCLS: 435/070.210; 436/519.000; 436/548.000; 530/387.900; 530/388.240; 530/399.000
 IC [6]
 ICM: C07K014-48
 ICS: C07K016-22
 EXF 530/350; 530/387; 530/399; 530/388.24; 530/387.9; 424/85.8; 435/70.2; 435/70.21; 514/8; 514/12; 436/548; 436/519
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 324 OF 387 USPATFULL on STN
 AN 97:91646 USPATFULL
 TI Polynucleotides encoding the anti-PEM antibody BW835 variable domains and expression vectors
 IN Bosslet, Klaus, Marburg, Germany, Federal Republic of
 Pfleiderer, Peter, Marburg, Germany, Federal Republic of
 Seemann, Gerhard, Marburg-Elnhausen, Germany, Federal Republic of
 PA Behringwerke Aktiengesellschaft, Marburg, Germany, Federal Republic of (non-U.S. corporation)
 PI US 5674994 19971007 <--
 AI US 1995-466272 19950606 (8)
 RLI Division of Ser. No. US 1992-957827, filed on 8 Oct 1992, now abandoned
 PRAI DE 1991-4133791 19911011
 DT Utility
 FS Granted
 LN.CNT 570
 INCL INCLM: 536/023.530
 INCLS: 435/328.000; 435/330.000; 435/320.100; 530/387.300; 530/387.700; 530/388.500
 NCL NCLM: 536/023.530
 NCLS: 435/320.100; 435/328.000; 435/330.000; 530/387.300; 530/387.700; 530/388.800
 IC [6]
 ICM: C07H021-04
 ICS: C12N015-63; A61K039-395
 EXF 424/137.1; 424/138.1; 424/139.1; 424/155.1; 424/174.1; 424/184.1; 424/185.1; 424/277.1; 435/69.6; 435/70.21; 435/172.2; 435/172.3; 435/328; 435/330; 435/320.1; 530/300; 530/350; 530/387.7; 530/388.8; 530/388.85; 530/389.7; 530/387.3; 536/23.53

L4 ANSWER 325 OF 387 USPATFULL on STN
 AN 97:91637 USPATFULL
 TI Multimeric form of human rhinovirus receptor protein
 IN Greve, Jeffrey M., Branford, CT, United States
 McClelland, Alan, Old Saybrook, CT, United States
 PA Bayer Corporation, West Haven, CT, United States (U.S. corporation)
 PI US 5674982 19971007 <--
 AI US 1995-469588 19950605 (8)
 RLI Continuation of Ser. No. US 1994-318039, filed on 4 Oct 1994 which is a continuation of Ser. No. US 1993-159076, filed on 29 Nov 1993, now abandoned which is a continuation of Ser. No. US 1992-977589, filed on 17 Nov 1992, now abandoned which is a continuation of Ser. No. US 1990-556238, filed on 20 Jul 1990, now abandoned
 DT Utility
 FS Granted
 LN.CNT 1392
 INCL INCLM: 530/388.220
 INCLS: 424/152.100; 424/193.100; 424/194.100; 530/391.700; 530/395.000
 NCL NCLM: 530/388.220
 NCLS: 424/152.100; 424/193.100; 424/194.100; 530/391.700; 530/395.000

ICM: C07K016-28
ICS: C07K014-705; A61K039-44
EXF 530/350; 530/395; 530/402; 530/403; 530/388.22; 530/391.7; 424/185.1;
424/193.1; 424/193.4; 424/194.1; 424/152.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 326 OF 387 USPATFULL on STN
AN 97:91344 USPATFULL
TI Methods to identify hemochromatosis
IN Rothenberg, Barry E., P.O. Box 997, Del Mar, CA, United States 92014
PI US 5674681 19971007 <--
AI US 1994-349883 19941206 (8)
DT Utility
FS Granted
LN.CNT 1877
INCL INCLM: 435/006.000
INCLS: 435/091.100; 435/091.200; 435/007.100
NCL NCLM: 435/006.000
NCLS: 435/007.100; 435/091.100; 435/091.200
IC [6]
ICM: C12Q001-68
ICS: C12P019-34; G01N033-53
EXF 435/6; 435/91.2; 435/91.1; 435/7.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 327 OF 387 USPATFULL on STN
AN 97:88898 USPATFULL
TI Carcino-embryonic antigen derivatives lacking the carboxyl terminal end
IN Terskikh, Alexey, Lausanne, Switzerland
Pelegriin, Andre, Montpellier, France
Mach, Jean-Pierre, Lausanne, Switzerland
PA Roche Diagnostic Systems, Inc., Branchburg, NJ, United States (U.S. corporation)
PI US 5672513 19970930 <--
AI US 1994-217299 19940323 (8)
PRAI EP 1993-810214 19930325
DT Utility
FS Granted
LN.CNT 995
INCL INCLM: 436/064.000
INCLS: 530/395.000; 530/828.000
NCL NCLM: 436/064.000
NCLS: 530/395.000; 530/828.000
IC [6]
ICM: G01N033-574
ICS: C07K014-47; C07K014-82
EXF 530/395; 530/828; 436/64
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 328 OF 387 USPATFULL on STN
AN 97:81142 USPATFULL
TI Method for isolating and directly cloning genes which encode cell-surface and secreted proteins
IN Yang, Zhi, Menlo Park, CA, United States
PA SyStemix, Inc., Palo Alto, CA, United States (U.S. corporation)
PI US 5665590 19970909 <--
AI US 1994-282951 19940729 (8)
DT Utility
FS Granted
LN.CNT 1226
INCL INCLM: 435/006.000
INCLS: 435/320.100; 435/172.300
NCL NCLM: 435/006.000
NCLS: 435/320.100; 435/466.000
IC [6]
ICM: C12N005-10
ICS: C12N015-85
EXF 435/69.1; 435/69.3; 435/172.1; 435/172.3; 435/320.1; 435/69.7; 435/69.8;
435/6; 435/7.1; 435/7.2; 435/240.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 329 OF 387 USPATFULL on STN
AN 97:78562 USPATFULL
TI ICAM-related protein
IN Gallatin, W. Michael, Seattle, WA, United States

PA ICOS Corporation, Bothell, WA, United States (U.S. corporation)
PI US 5663293 19970902 <--
AI US 1995-433010 19950503 (8)
RLI Continuation of Ser. No. US 1993-9266, filed on 22 Jan 1993, now
abandoned which is a continuation-in-part of Ser. No. US 1992-894061,
filed on 5 Jun 1992, now abandoned which is a continuation-in-part of
Ser. No. US 1992-889724, filed on 26 May 1992, now abandoned which is a
continuation-in-part of Ser. No. US 1992-827689, filed on 27 Jan 1992,
now abandoned
DT Utility
FS Granted
LN.CNT 2834
INCL INCLM: 530/324.000
INCLS: 530/350.000
NCL NCLM: 530/324.000
NCLS: 530/350.000
IC [6]
ICM: C07K014-705
EXF 530/324; 530/350; 435/69.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 330 OF 387 USPATFULL on STN
AN 97:73500 USPATFULL
TI Antiproliferative protein
IN Nuell, Mark J., Ellicott City, MD, United States
McClung, J. Keith, Ardmore, OK, United States
Stewart, David A., Baltimore, MD, United States
Danner, David B., Columbia, MD, United States
PA The United States of America as represented by the Department of Health
and Human Services, Washington, DC, United States (U.S. government)
PI US 5658792 19970819 <--
AI US 1990-612674 19901114 (7)
DT Utility
FS Granted
LN.CNT 1208
INCL INCLM: 435/252.330
INCLS: 536/023.500; 536/024.310; 435/069.100; 435/071.200; 435/252.300;
435/172.300; 435/320.100; 935/011.000; 935/029.000; 935/056.000;
935/072.000; 935/073.000
NCL NCLM: 435/252.330
NCLS: 435/069.100; 435/071.200; 435/252.300; 435/320.100; 536/023.500;
536/024.310
IC [6]
ICM: C12N015-12
ICS: C12N015-63; C12N001-21; C07K014-47
EXF 435/69.1; 435/71.2; 435/252.3; 435/252.33; 435/172.3; 435/320.1; 536/27;
536/23.5; 935/11; 935/29; 935/56; 935/72; 935/73
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 331 OF 387 USPATFULL on STN
AN 97:63884 USPATFULL
TI Diagnosis using DCC gene
IN Vogelstein, Bert, Baltimore, MD, United States
PA The Johns Hopkins University, Baltimore, MD, United States (U.S.
corporation)
PI US 5650281 19970722 <--
AI US 1995-443360 19950517 (8)
RLI Division of Ser. No. US 1994-227527, filed on 14 Apr 1994, now patented,
Pat. No. US 5532108 which is a continuation of Ser. No. US 1990-460981,
filed on 4 Jan 1990, now abandoned
DT Utility
FS Granted
LN.CNT 1065
INCL INCLM: 435/006.000
INCLS: 435/004.000; 435/091.200; 435/091.500; 435/071.000; 436/086.000;
436/094.000; 436/063.000; 436/064.000; 436/813.000; 935/077.000;
935/078.000
NCL NCLM: 435/006.000
NCLS: 435/004.000; 435/007.100; 435/091.200; 435/091.500; 436/063.000;
436/064.000; 436/086.000; 436/094.000; 436/813.000
IC [6]
ICM: C12Q001-68
ICS: C12P019-34; G01N033-50; G01N033-574
EXF 435/6; 435/91.2; 435/7.2; 435/91.5; 435/7.1; 435/4; 436/63; 436/64;
436/86; 436/94; 436/813; 536/23.5; 935/77; 935/78

L4 ANSWER 332 OF 387 USPATFULL on STN
 AN 97:59308 USPATFULL
 TI Alloreaction-associated antigen (ARAG): a novel member of the
 immunoglobulin gene superfamily
 IN Ruegg, Curtis L., San Carlos, CA, United States
 Rivas, Alberto, Palo Alto, CA, United States
 Laus, Reiner, Belmont, CA, United States
 Engleman, Edgar G., Atherton, CA, United States
 PA The Board of Trustees of Leeland Stanford Jr. Univ., Palo Alto, CA,
 United States (U.S. corporation)
 PI US 5646251 19970708 <--
 AI US 1995-497025 19950630 (8)
 RLI Continuation-in-part of Ser. No. US 1993-149212, filed on 5 Nov 1993,
 now abandoned
 DT Utility
 FS Granted
 LN.CNT 2085
 INCL INCLM: 530/350.000
 INCLS: 530/324.000; 530/325.000; 530/326.000; 530/395.000; 435/069.100;
 435/172.300
 NCL NCLM: 530/350.000
 NCLS: 435/069.100; 530/324.000; 530/325.000; 530/326.000; 530/395.000
 IC [6]
 ICM: C07K007-00
 ICS: C07K014-705; C12N015-00
 EXF 530/324; 530/325; 530/326; 530/350; 530/395; 435/69.1; 435/172.3
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 333 OF 387 USPATFULL on STN
 AN 97:52102 USPATFULL
 TI Semaphorin gene family
 IN Goodman, Corey S., Berkeley, CA, United States
 Kolodkin, Alex L., Berkeley, CA, United States
 Matthes, David, Berkeley, CA, United States
 Bentley, David R., Berkeley, CA, United States
 O'Connor, Timothy, Berkeley, CA, United States
 PA The Regents of the University of California, Oakland, CA, United States
 (U.S. corporation)
 PI US 5639856 19970617 <--
 AI US 1993-121713 19930913 (8)
 DT Utility
 FS Granted
 LN.CNT 2556
 INCL INCLM: 530/326.000
 INCLS: 514/012.000; 514/014.000; 514/015.000; 514/016.000; 514/017.000;
 514/021.000; 530/327.000; 530/328.000; 530/329.000; 530/330.000;
 530/350.000
 NCL NCLM: 530/326.000
 NCLS: 530/327.000; 530/328.000; 530/329.000; 530/330.000; 530/350.000
 IC [6]
 ICM: A61K038-04
 ICS: A61K038-16; C07K014-005; C07K014-435
 EXF 530/326; 530/327; 530/328; 530/329; 530/330; 530/350; 514/14; 514/15;
 514/16; 514/17; 514/12; 514/21
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 334 OF 387 USPATFULL on STN
 AN 97:51874 USPATFULL
 TI Monoclonal antibodies against tumor-associated antigens
 IN Bosslet, Klaus, Marburg, Germany, Federal Republic of
 Pfeleiderer, Peter, Marburg, Germany, Federal Republic of
 Seemann, Gerhard, Marburg-Elnhausen, Germany, Federal Republic of
 PA Behringwerke Aktiengesellschaft, Marburg, Germany, Federal Republic of
 (non-U.S. corporation)
 PI US 5639621 19970617 <--
 AI US 1995-468661 19950606 (8)
 RLI Division of Ser. No. US 1992-957827, filed on 8 Oct 1992, now abandoned
 PRAI DE 1991-4133791 19911011
 DT Utility
 FS Granted
 LN.CNT 589
 INCL INCLM: 435/007.230
 INCLS: 530/387.100; 530/388.100; 435/070.210; 435/172.200; 435/069.600;
 435/172.300; 435/252.300; 424/155.100; 424/133.100

NCLS: 424/133.100; 424/155.100; 435/069.600; 435/070.210; 435/252.300;
530/387.100; 530/388.100

IC [6]
ICM: C12N005-12
ICS: C07K016-30; A61K039-395
EXF 424/137.1; 424/138.1; 424/139.1; 424/155.1; 424/174.1; 424/184.1;
424/185.1; 424/277.1; 424/70.21; 424/9.1; 435/69.6; 435/70.21;
435/172.2; 435/172.3; 435/240.27; 435/7.1; 435/7.23; 530/300; 530/350;
530/387.7; 530/388.8; 530/388.85; 530/389.7

L4 ANSWER 335 OF 387 USPATFULL on STN
AN 97:47073 USPATFULL
TI Non-lethal methods for conditioning a recipient for bone marrow
transplantation
IN Ildstad, Suzanne T., Pittsburgh, PA, United States
PA University of Pittsburgh, Pittsburgh, PA, United States (U.S.
corporation)
PI US 5635156 19970603 <--
AI US 1994-337785 19941114 (8)
RLI Continuation-in-part of Ser. No. US 1993-120256, filed on 13 Sep 1993,
now patented, Pat. No. US 5514364
DT Utility
FS Granted
LN.CNT 1467
INCL INCLM: 424/001.490
INCLS: 424/130.100; 424/141.100; 424/152.100; 424/153.100; 424/154.100;
424/178.100; 424/181.100; 424/183.100; 600/001.000; 604/020.000
NCL NCLM: 424/001.490
NCLS: 424/130.100; 424/141.100; 424/152.100; 424/153.100; 424/154.100;
424/178.100; 424/181.100; 424/183.100; 600/001.000; 604/020.000

IC [6]
ICM: A61K043-00
ICS: A61K031-00; A61K005-00
EXF 424/1.49; 424/1.53; 424/130.1; 424/141.1; 424/178.1; 424/183.1;
424/152.1; 424/153.1; 424/154.1; 424/181.1; 600/1; 600/9; 600/13;
600/14; 604/20

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 336 OF 387 USPATFULL on STN
AN 97:43031 USPATFULL
TI Transgenic mouse expressing DNA sequences encoding the human poliovirus
receptor
IN Racaniello, Vincent, New York, NY, United States
Mendelsohn, Cathy, Strasbourg, France
Costantini, Frank, New York, NY, United States
PA The Trustees of Columbia University in the City of New York, New York,
NY, United States (U.S. corporation)
PI US 5631407 19970520 <--
AI US 1994-182371 19940114 (8)
RLI Continuation of Ser. No. US 1990-495744, filed on 19 Mar 1990, now
abandoned which is a continuation-in-part of Ser. No. US 1989-321957,
filed on 10 Mar 1989, now abandoned
DT Utility
FS Granted
LN.CNT 1375
INCL INCLM: 800/002.000
INCLS: 435/172.300; 424/009.100
NCL NCLM: 800/003.000
NCLS: 424/009.100; 800/009.000; 800/025.000

IC [6]
ICM: C12N005-00
ICS: C12N015-00; C12P015-00; A61K049-00
EXF 800/2; 424/9

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 337 OF 387 USPATFULL on STN
AN 97:22659 USPATFULL
TI Nucleotide sequence encoding intercellular adhesion molecule-1 and
fragments thereof
IN Springer, Timothy A., Newton, MA, United States
Rothlein, Robert, Danbury, CT, United States
Marlin, Steven D., Danbury, CT, United States
Dustin, Michael L., University City, MO, United States
PA Dana Farber Cancer Institute, Boston, MA, United States (U.S.
corporation)

AI US 1994-186456 19940125 (8)
RLI Division of Ser. No. US 1990-515478, filed on 27 Apr 1990, now patented,
Pat. No. US 5284931 And a continuation-in-part of Ser. No. US
1987-45963, filed on 4 May 1987, now abandoned Ser. No. Ser. No. US
1987-115798, filed on 2 Nov 1987, now abandoned Ser. No. Ser. No. US
1988-155943, filed on 16 Feb 1988, now abandoned Ser. No. Ser. No. US
1988-189815, filed on 3 May 1988, now abandoned Ser. No. Ser. No. US
1988-250446, filed on 28 Sep 1988, now abandoned Ser. No. Ser. No. US
1989-324481, filed on 16 Mar 1989, now abandoned Ser. No. Ser. No. US
1989-373882, filed on 30 Jun 1989, now abandoned And Ser. No. US
1989-456647, filed on 22 Dec 1989, now abandoned

DT Utility
FS Granted

LN.CNT 5205

INCL INCLM: 435/252.300

INCLS: 435/069.100; 435/320.100; 530/395.000; 536/023.500

NCL NCLM: 435/252.300

NCLS: 435/069.100; 435/320.100; 530/395.000; 536/023.500

IC [6]

ICM: C12N001-21

ICS: C12N005-10; C12N015-12; C07K014-705

EXF 514/2; 514/8; 530/395; 435/69.3; 435/320.1; 435/240.1; 435/252.3;

435/185.1; 435/69.1; 536/23.5; 424/185.1

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 338 OF 387 USPATFULL on STN

AN 97:16093 USPATFULL

TI Methods and compositions for inhibition of cell invasion and fibrosis
using dextran sulfate

IN Roufa, Dikla, St. Louis, MO, United States

Harel, Adrian, Woodmere, OH, United States

Frederickson, Robert C. A., Bentleyville, OH, United States

Coker, III, George T., Mayfield Heights, OH, United States

PA Gliatech, Inc., Beachwood, OH, United States (U.S. corporation)

PI US 5605938

19970225

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AI US 1991-708660

19910531 (7)

DT Utility

FS Granted

LN.CNT 2006

INCL INCLM: 514/059.000

INCLS: 514/002.000; 514/021.000; 514/054.000; 424/422.000; 424/423.000;
424/424.000; 424/425.000; 530/350.000; 530/356.000; 530/857.000;
604/289.000; 604/290.000; 604/304.000; 604/306.000; 604/307.000;
623/001.000; 623/002.000; 623/011.000; 623/022.000

NCL NCLM: 514/059.000

NCLS: 424/422.000; 424/423.000; 424/424.000; 424/425.000; 514/002.000;
514/021.000; 514/054.000; 530/350.000; 530/356.000; 530/857.000;
604/289.000; 604/290.000; 604/304.000; 604/306.000; 604/307.000;
623/924.000

IC [6]

ICM: A61K031-715

EXF 514/2; 514/54; 514/55; 514/56; 514/59; 530/350; 530/356; 530/381;

424/423; 424/424; 424/428; 424/426; 424/427; 424/437; 424/425; 424/703;
424/709; 424/456; 424/457; 424/458; 424/461; 604/289; 604/290; 604/304;
604/306; 604/307; 606/7; 606/8; 606/9; 606/228; 606/76; 606/229; 623/1

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 339 OF 387 USPATFULL on STN

AN 97:15948 USPATFULL

TI Carbohydrate-directed cross-linking reagents

IN Ashkenazi, Avi J., San Mateo, CA, United States

Chamow, Steven M., San Mateo, CA, United States

Kogan, Timothy P., Sugar Land, TX, United States

PA Genentech, Inc., South San Francisco, CA, United States (U.S.
corporation)

PI US 5605791

19970225

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AI US 1995-416402

19950331 (8)

RLI Division of Ser. No. US 1993-115404, filed on 1 Sep 1993 which is a
division of Ser. No. US 1992-926077, filed on 5 Aug 1992, now patented,
Pat. No. US 5329028, issued on 12 Jul 1994

DT Utility

FS Granted

LN.CNT 1053

INCL INCLM: 435/005.000

INCLS: 435/007.100; 548/546.000

IC NCLS: 435/007.100; 548/546.000
[6]
ICM: C12Q001-68
ICS: C12Q001-70; G01N033-53
EXF 548/546; 435/5; 435/7.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 340 OF 387 USPATFULL on STN
AN 97:12579 USPATFULL
TI DCC probes, primers, and kits
IN Vogelstein, Bert, Baltimore, MD, United States
PA The Johns Hopkins University, Baltimore, MD, United States (U.S. corporation)
PI US 5602243 19970211 <--
AI US 1995-442761 19950517 (8)
RLI Division of Ser. No. US 1994-227527, filed on 14 Apr 1994, now patented, Pat. No. US 5532108 which is a continuation of Ser. No. US 1990-460981, filed on 4 Jan 1990, now abandoned
DT Utility
FS Granted
LN.CNT 971
INCL INCLM: 536/024.300
INCLS: 536/024.310; 536/024.330; 536/022.100; 435/006.000; 435/091.200; 435/091.210
NCL NCLM: 536/024.300
NCLS: 435/006.000; 435/091.200; 435/091.210; 536/022.100; 536/024.310; 536/024.330
IC [6]
ICM: C07H021-02
ICS: C07H021-04; C12P019-34; C12Q001-68
EXF 435/6; 536/23.1; 536/24.3
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 341 OF 387 USPATFULL on STN
AN 97:9904 USPATFULL
TI Cytokine-induced marker for inflammatory response
IN Dixit, Vishva M., Ann Arbor, MI, United States
PA The Regents of the University of Michigan, Ann Arbor, MI, United States (U.S. corporation)
PI US 5599669 19970204 <--
AI US 1994-321162 19941011 (8)
RLI Continuation of Ser. No. US 1993-164611, filed on 8 Dec 1993, now abandoned which is a continuation of Ser. No. US 1990-607741, filed on 16 Oct 1990, now abandoned
DT Utility
FS Granted
LN.CNT 984
INCL INCLM: 435/006.000
INCLS: 435/091.200; 536/023.500; 536/024.310; 536/024.330; 935/004.000; 935/008.000; 935/009.000; 935/078.000
NCL NCLM: 435/006.000
NCLS: 435/091.200; 536/023.500; 536/024.310; 536/024.330
IC [6]
ICM: C12Q001-68
ICS: C07H021-04; C12P019-34
EXF 435/6; 435/91.2; 536/23.5; 536/24.31; 536/24.33; 935/77; 935/78; 935/3; 935/5; 935/6; 935/8; 935/9; 935/11
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 342 OF 387 USPATFULL on STN
AN 97:1559 USPATFULL
TI Antisense oligonucleotides directed against nucleic acids encoding NFkB transcription factor
IN Narayanan, Ramaswamy, Belleville, NJ, United States
PA Rosen, Craig A., Glen Ridge, NJ, United States
PA Hoffmann-La Roche Inc., Nutley, NJ, United States (U.S. corporation)
PI US 5591840 19970107 <--
AI US 1994-328592 19941025 (8)
RLI Continuation of Ser. No. US 1992-950531, filed on 23 Sep 1992, now abandoned
DT Utility
FS Granted
LN.CNT 832
INCL INCLM: 536/024.500
INCLS: 536/023.500; 514/044.000; 935/008.000; 935/034.000

IC NCLS: 536/023.500
[6]
ICM: C07H021-04
EXF 536/23.1; 536/23.5; 536/24.5; 514/44; 935/8; 935/34
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 343 OF 387 USPATFULL on STN
AN 96:113997 USPATFULL
TI VLA proteins
IN Hemler, Martin E., Auburndale, MA, United States
Takada, Yoshikazu, Brookline, MA, United States
PA Dana-Farber Cancer Institute, Boston, MA, United States (U.S.
corporation)
PI US 5583203 19961210 <--
AI US 1995-400465 19950307 (8)
RLI Continuation of Ser. No. US 1992-927864, filed on 10 Aug 1992, now
abandoned which is a continuation of Ser. No. US 1991-799708, filed on
26 Nov 1991, now abandoned which is a continuation of Ser. No. US
1988-160887, filed on 26 Feb 1988, now abandoned
DT Utility
FS Granted
LN.CNT 407
INCL INCLM: 530/395.000
INCLS: 530/350.000; 530/388.200; 530/388.220; 530/388.730; 530/388.750
NCL NCLM: 530/395.000
NCLS: 530/350.000; 530/388.200; 530/388.220; 530/388.730; 530/388.750
IC [6]
ICM: C07K014-725
ICS: C07K014-78; C07K016-28
EXF 330/350; 330/395; 330/388.73; 330/388.75; 330/806; 530/350; 530/395;
530/387; 530/388.2; 530/388.22; 530/388.73; 530/388.75
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 344 OF 387 USPATFULL on STN
AN 96:106593 USPATFULL
TI Antibodies to the slam protein expressed on activated T cells
IN Aversa, Gregorio, Palo Alto, CA, United States
Chang, Chia-Chun J., San Jose, CA, United States
Cocks, Benjamin G., Mountain View, CA, United States
de Vries, Jan E., Los Altos, CA, United States
PA Schering Corporation, Kenilworth, NJ, United States (U.S. corporation)
PI US 5576423 19961119 <--
AI US 1994-348792 19941202 (8)
DT Utility
FS Granted
LN.CNT 2811
INCL INCLM: 530/388.750
INCLS: 530/389.600; 530/387.900; 530/391.300; 424/154.100; 435/070.210;
435/172.300; 435/240.270
NCL NCLM: 530/388.750
NCLS: 424/154.100; 435/070.210; 435/331.000; 435/343.200; 530/387.900;
530/389.600; 530/391.300
IC [6]
ICM: A61K039-395
ICS: C07K016-28; C12P021-08; C12N015-06
EXF 424/154.1; 424/139.1; 424/152.1; 424/172.1; 424/153.1; 424/173.1;
424/93.71; 424/183.1; 424/181.1; 435/70.21; 435/172.2; 435/240.27;
530/350; 530/387.9; 530/388.7; 530/389.6; 530/391.3; 530/391.5;
530/391.7; 530/391.9
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 345 OF 387 USPATFULL on STN
AN 96:99306 USPATFULL
TI Colon mucosa gene having down regulated expression in colon adenomas and
adenocarcinomas
IN Schweinfest, Clifford W., Hampstead, MD, United States
Papas, Takis S., Potomac, MD, United States
PA The United States of America as represented by the Department of Health
and Human Services, Washington, DC, United States (U.S. government)
PI US 5569755 19961029 <--
AI US 1995-424567 19950417 (8)
RLI Continuation of Ser. No. US 1993-26045, filed on 5 Mar 1993, now
abandoned
DT Utility
FS Granted

INCL INCLM: 536/023.500
INCLS: 536/023.100; 536/023.200; 536/024.310; 435/320.100; 435/172.300;
435/240.200; 435/252.300; 935/004.000; 935/009.000; 935/006.000;
935/011.000; 930/DIG.530
NCL NCLM: 536/023.500
NCLS: 435/252.300; 435/320.100; 536/023.100; 536/023.200; 536/024.310;
930/DIG.530

IC [6]
ICM: C12N015-12
ICS: C12N015-11; C07K014-435
EXF 536/23.1; 536/23.5; 536/23.2; 536/24.31; 435/320.1; 435/172.3;
435/252.3; 435/91.1; 435/240.2; 935/4; 935/6; 935/9; 935/11

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 346 OF 387 USPATFULL on STN

AN 96:94679 USPATFULL

TI Antibodies to ICAM-2, and fragments thereof

IN Springer, Timothy A., Newton, MA, United States

Staunton, Donald E., Chestnut Hill, MA, United States

Dustin, Michael L., Boston, MA, United States

PA Dana Farber Cancer Institute, Boston, MA, United States (U.S.
corporation)

PI US 5565550 19961015 <--

AI US 1994-194564 19940210 (8)

RLI Division of Ser. No. US 1993-89307, filed on 12 Jul 1993, now abandoned
which is a continuation-in-part of Ser. No. US 1987-45963, filed on 4
May 1987, now abandoned And a continuation-in-part of Ser. No. US
1987-115798, filed on 2 Nov 1987, now abandoned Ser. No. Ser. No. US
1988-155943, filed on 16 Feb 1988, now abandoned Ser. No. Ser. No. US
1988-189815, filed on 3 May 1988, now abandoned Ser. No. Ser. No. US
1988-250446, filed on 28 Sep 1988, now abandoned And Ser. No. US
1989-321238, filed on 9 Mar 1989, now abandoned

DT Utility

FS Granted

LN.CNT 1709

INCL INCLM: 530/391.300
INCLS: 530/388.200; 530/388.220; 530/388.700; 530/377.730; 530/388.500;
530/389.600; 530/387.700

NCL NCLM: 530/391.300
NCLS: 530/388.200; 530/388.220; 530/388.500; 530/388.700; 530/388.730;
530/389.600; 530/389.700

IC [6]
ICM: A61K039-395

ICS: C07K016-18; C07K016-28

EXF 530/388.2; 530/388.85; 530/389.1; 530/388.22; 530/388.7; 530/388.73;
530/389.6; 530/389.7; 530/391.1; 530/391.3

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 347 OF 387 USPATFULL on STN

AN 96:94466 USPATFULL

TI Adhesion variants

IN Capon, Daniel J., San Mateo, CA, United States

Gregory, Timothy J., Hillsborough, CA, United States

PA Genentech, Inc., South San Francisco, CA, United States (U.S.
corporation)

PI US 5565335 19961015 <--

AI US 1994-236311 19940502 (8)

RLI Continuation of Ser. No. US 1992-936190, filed on 26 Aug 1992, now
patented, Pat. No. US 5336603 which is a continuation of Ser. No. US
1992-842777, filed on 18 Feb 1992, now abandoned which is a continuation
of Ser. No. US 1988-250785, filed on 28 Sep 1988, now abandoned which is
a continuation-in-part of Ser. No. US 1987-104329, filed on 2 Oct 1987,
now abandoned

DT Utility

FS Granted

LN.CNT 2267

INCL INCLM: 435/064.700
INCLS: 435/252.300; 435/320.100; 514/002.000; 530/350.000; 530/387.100;
530/387.300; 536/023.400

NCL NCLM: 435/069.700
NCLS: 435/252.300; 435/320.100; 514/002.000; 530/350.000; 530/387.100;
530/387.300; 536/023.400

IC [6]
ICM: C07K014-705

ICS: C07K014-73; C07K014-00; C12N015-62

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 348 OF 387 USPATFULL on STN
 AN 96:89935 USPATFULL
 TI DCC protein
 IN Vogelstein, Bert, Baltimore, MD, United States
 PA The Johns Hopkins University, Baltimore, MD, United States (U.S. corporation)
 PI US 5561223 19961001 <--
 AI US 1995-442976 19950517 (8)
 RLI Division of Ser. No. US 1994-227527, filed on 14 Apr 1994 which is a continuation of Ser. No. US 1990-460981, filed on 4 Jan 1990, now abandoned
 DT Utility
 FS Granted
 LN.CNT 918
 INCL INCLM: 530/350.000
 NCL NCLM: 530/350.000
 IC [6]
 ICM: A61K038-17
 ICS: C07K014-435
 EXF 530/350; 514/12
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 349 OF 387 USPATFULL on STN
 AN 96:72964 USPATFULL
 TI Nerve growth ***peptides***
 IN Shashoua, Victor E., Brookline, MA, United States
 PA Neuromedica, Inc., Cambridge, MA, United States (U.S. corporation)
 PI US 5545719 19960813 <--
 AI US 1994-201046 19940224 (8)
 RLI Continuation of Ser. No. US 1991-700653, filed on 14 May 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-517159, filed on 1 May 1990, now abandoned
 DT Utility
 FS Granted
 LN.CNT 1265
 INCL INCLM: 530/345.000
 INCLS: 530/326.000; 530/327.000; 530/328.000; 530/329.000; 530/330.000
 NCL NCLM: 530/345.000
 NCLS: 530/326.000; 530/327.000; 530/328.000; 530/329.000; 530/330.000
 IC [6]
 ICM: C07K007-00
 ICS: C07K007-06; C07K007-08; C07K009-00
 EXF 530/324-330; 530/345; 530/399; 530/402; 514/2; 514/12-17
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 350 OF 387 USPATFULL on STN
 AN 96:70339 USPATFULL
 TI Detection of carcinoma metastases by nucleic acid amplification
 IN Sobol, Robert E., LaJolla, CA, United States
 Green, Mark R., San Diego, CA, United States
 Kawasaki, Ernest S., Richmond, CA, United States
 PA Hoffman-La Roche Inc., Nutley, NJ, United States (U.S. corporation)
 Regents of the University of California, Oakland, CA, United States (U.S. corporation)
 PI US 5543296 19960806 <--
 AI US 1994-357565 19941216 (8)
 RLI Continuation of Ser. No. US 1993-96110, filed on 22 Jul 1993, now abandoned which is a continuation of Ser. No. US 1991-720061, filed on 26 Jun 1991, now abandoned
 DT Utility
 FS Granted
 LN.CNT 1413
 INCL INCLM: 435/006.000
 INCLS: 435/091.100; 435/091.200; 536/023.500; 536/024.310; 536/024.330; 536/025.300; 935/076.000; 935/077.000
 NCL NCLM: 435/006.000
 NCLS: 257/E33.064; 257/E33.065; 435/091.100; 435/091.200; 536/023.500; 536/024.310; 536/024.330; 536/025.300
 IC [6]
 ICM: C12Q001-68
 ICS: C12P019-34; C07H012-04; C12N015-00
 EXF 435/6; 435/91.2; 435/91.1; 435/183; 536/24.37; 536/23.5; 536/24.31;

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 351 OF 387 USPATFULL on STN
AN 96:67757 USPATFULL
TI Isolation and use of fibronectin receptor
IN Ruoslahti, Eric I., Rancho Santa Fe, CA, United States
Pierschbacher, Michael D., San Diego, CA, United States
PA La Jolla Cancer Research Foundation, La Jolla, CA, United States (U.S. corporation)
PI US 5540933 19960730 <--
AI US 1993-56815 19930429 (8)
RLI Continuation of Ser. No. US 1992-857097, filed on 20 Mar 1992, now abandoned which is a continuation of Ser. No. US 1989-302047, filed on 25 Jan 1989, now abandoned which is a continuation of Ser. No. US 1985-740240, filed on 31 May 1985, now abandoned
DT Utility
FS Granted
LN.CNT 774
INCL INCLM: 424/450.000
INCLS: 530/395.000; 514/021.000
NCL NCLM: 424/450.000
NCLS: 514/021.000; 530/395.000
IC [6]
ICM: A61K009-127
ICS: A61K038-16; C07K014-705
EXF 530/350; 530/395; 424/452; 514/21
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 352 OF 387 USPATFULL on STN
AN 96:58324 USPATFULL
TI Nucleic acid sequences encoding OMGP
IN Stefansson, Kari, Chicago, IL, United States
PA Arch Development Corporation, Chicago, IL, United States (U.S. corporation)
PI US 5532351 19960702 <--
AI US 1994-183588 19940121 (8)
RLI Continuation of Ser. No. US 1990-551267, filed on 12 Jul 1990, now abandoned
DT Utility
FS Granted
LN.CNT 1803
INCL INCLM: 536/023.500
INCLS: 536/023.100; 536/024.310; 435/069.100; 935/001.000; 935/008.000; 935/011.000; 935/078.000
NCL NCLM: 536/023.500
NCLS: 435/069.100; 536/023.100; 536/024.310
IC [6]
ICM: C07H017-00
ICS: C12P021-06; C12N015-00
EXF 536/23.1; 536/23.5; 536/24.31; 935/1; 935/8; 935/11; 935/78
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 353 OF 387 USPATFULL on STN
AN 96:58104 USPATFULL
TI Assay for l-CAM related protein expression
IN Gallatin, W. Michael, Seattle, WA, United States
Vazeux, Rosemay, Seattle, WA, United States
PA ICOS Corporation, Bothell, WA, United States (U.S. corporation)
PI US 5532127 19960702 <--
AI US 1994-314362 19940928 (8)
RLI Continuation of Ser. No. US 1992-894061, filed on 5 Jun 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-889724, filed on 26 May 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-827689, filed on 27 Jan 1992, now abandoned
DT Utility
FS Granted
LN.CNT 1469
INCL INCLM: 435/006.000
INCLS: 935/078.000; 530/350.000; 536/023.100; 536/024.320
NCL NCLM: 435/006.000
NCLS: 530/350.000; 536/023.100; 536/024.320
IC [6]
ICM: C12Q001-68
ICS: C07K014-725; C07H017-00
EXF 435/69.1; 435/69.3; 435/6; 530/350; 536/23.1; 536/24.32; 935/78

L4 ANSWER 354 OF 387 USPATFULL on STN
 AN 96:58085 USPATFULL
 TI Gene deleted in colorectal cancer of humans
 IN Vogelstein, Bert, Baltimore, MD, United States
 PA The Johns Hopkins University, Baltimore, MD, United States (U.S. corporation)
 PI US 5532108 19960702 <--
 AI US 1994-227527 19940414 (8)
 RLI Continuation of Ser. No. US 1990-460981, filed on 4 Jan 1990, now abandoned
 DT Utility
 FS Granted
 LN.CNT 953
 INCL INCLM: 435/240.200
 INCLS: 435/252.300; 435/254.110; 435/320.100; 536/023.500
 NCL NCLM: 435/252.300
 NCLS: 435/254.110; 435/320.100; 536/023.500
 IC [6]
 ICM: C12N015-12
 ICS: C12N015-63; C12N001-21; C12N005-10
 EXF 536/23.5; 435/240.2; 435/252.3; 435/320.1; 435/254.11
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 355 OF 387 USPATFULL on STN
 AN 96:50786 USPATFULL
 TI DNA encoding I-CAM related protein
 IN Gallatin, W. Michael, Mercer Island, WA, United States
 Vazeux, Rosemay, Seattle, WA, United States
 PA ICOS Corporation, Bothell, WA, United States (U.S. corporation)
 PI US 5525487 19960611 <--
 AI US 1994-314615 19940928 (8)
 RLI Continuation of Ser. No. US 1992-827689, filed on 27 Jan 1992, now abandoned
 DT Utility
 FS Granted
 LN.CNT 919
 INCL INCLM: 435/069.100
 INCLS: 435/069.700; 435/240.100; 435/320.100; 536/023.500; 536/024.310;
 530/350.000
 NCL NCLM: 435/069.100
 NCLS: 435/069.700; 435/320.100; 435/356.000; 435/365.000; 530/350.000;
 536/023.500; 536/024.310
 IC [6]
 ICM: C12P021-06
 ICS: C12N005-10; C12N015-63; C07K014-725
 EXF 536/23.1; 536/23.4; 536/24.31; 435/69.1; 435/69.3; 435/69.7; 435/240.1;
 435/520.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 356 OF 387 USPATFULL on STN
 AN 96:50762 USPATFULL
 TI Therapeutic and diagnostic methods using total leukocyte surface antigens
 IN Rittershaus, Charles W., Malden, MA, United States
 PA T Cell Diagnostics, Inc., St. Cambridge, MA, United States (U.S. corporation)
 PI US 5525461 19960611 <--
 WO 9208981 19920529 <--
 AI US 1993-50387 19930506 (8)
 WO 1991-US8085 19911101
 19930506 PCT 371 date
 19930506 PCT 102(e) date
 DT Utility
 FS Granted
 LN.CNT 2183
 INCL INCLM: 435/005.000
 INCLS: 435/007.100; 435/007.200; 435/007.210; 435/007.220; 435/007.230;
 435/007.240; 435/007.920; 435/007.930; 435/007.940; 435/007.950;
 435/974.000; 435/975.000
 NCL NCLM: 435/005.000
 NCLS: 435/007.100; 435/007.200; 435/007.210; 435/007.220; 435/007.230;
 435/007.240; 435/007.920; 435/007.930; 435/007.940; 435/007.950;
 435/974.000; 435/975.000
 IC [6]

EXF 435/5; 435/7.1; 435/7.2-.24; 435/7.92-.95; 435/974; 435/975
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 357 OF 387 USPATFULL on STN
AN 96:38806 USPATFULL
TI Recombinant DNA encoding hybrid immunoglobulins
IN Capon, Daniel J., San Mateo, CA, United States
Lasky, Laurence A., Sausalito, CA, United States
PA Genentech, Inc., San Francisco, CA, United States (U.S. corporation)
PI US 5514582 19960507 <--
AI US 1994-185670 19940121 (8)
RLI Continuation of Ser. No. US 1992-986931, filed on 8 Dec 1992, now
patented, Pat. No. US 5428130 which is a continuation of Ser. No. US
1991-808122, filed on 16 Dec 1991, now patented, Pat. No. US 5225538
which is a division of Ser. No. US 1989-440625, filed on 22 Nov 1989,
now patented, Pat. No. US 5116964 which is a continuation-in-part of
Ser. No. US 1989-315015, filed on 23 Feb 1989, now patented, Pat. No. US
5098833
DT Utility
FS Granted
LN.CNT 2644
INCL INCLM: 435/252.300
INCLS: 435/069.700; 435/320.100; 536/023.500; 536/023.520; 536/023.530
NCL NCLM: 435/252.300
NCLS: 435/069.700; 435/320.100; 536/023.500; 536/023.520; 536/023.530
IC [6]
ICM: C12N015-62
EXF 435/69.7; 435/252.3; 435/320.1; 536/23.4
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 358 OF 387 USPATFULL on STN
AN 96:38595 USPATFULL
TI Non-lethal methods for conditioning a recipient for bone marrow
transplantation
IN Ildstad, Suzanne T., Pittsburgh, PA, United States
PA University of Pittsburgh, Pittsburgh, PA, United States (U.S.
corporation)
PI US 5514364 19960507 <--
AI US 1993-120256 19930913 (8)
DT Utility
FS Granted
LN.CNT 1339
INCL INCLM: 424/001.490
INCLS: 600/001.000; 424/130.100; 424/141.100; 424/178.100; 424/183.100;
424/152.100; 424/153.100; 424/154.100; 604/020.000
NCL NCLM: 424/001.490
NCLS: 424/130.100; 424/141.100; 424/152.100; 424/153.100; 424/154.100;
424/178.100; 424/183.100; 600/001.000; 604/020.000
IC [6]
ICM: A61K043-00
ICS: A61K031-00; A61N005-00
EXF 424/1.49; 424/85.8; 424/85.91; 424/577; 424/130.1; 424/141.1; 424/178.1;
424/183.1; 424/152.1; 424/153.1; 600/1; 600/9; 600/13; 600/14; 604/20;
604/28; 128/898
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 359 OF 387 USPATFULL on STN
AN 96:36655 USPATFULL
TI Purified ICAM-2 and fragment thereof
IN Springer, Timothy A., Newton, MA, United States
Staunton, Donald E., Chestnut Hill, MA, United States
Dustin, Michael L., Boston, MA, United States
PA Dana Farber Cancer Institute, Inc., Boston, MA, United States (U.S.
corporation)
PI US 5512660 19960430 <--
AI US 1994-194613 19940210 (8)
RLI Division of Ser. No. US 1993-89307, filed on 12 Jul 1993, now abandoned
which is a continuation of Ser. No. US 1989-454294, filed on 22 Dec
1989, now abandoned which is a continuation-in-part of Ser. No. US
1987-45963, filed on 4 May 1987, now abandoned Ser. No. Ser. No. US
1987-115798, filed on 2 Nov 1987, now abandoned Ser. No. Ser. No. US
1988-155943, filed on 16 Feb 1988, now abandoned Ser. No. Ser. No. US
1988-189815, filed on 3 May 1988, now abandoned And Ser. No. US
1988-250446, filed on 28 Sep 1988, now abandoned
DT Utility

LN.CNT 1619
 INCL INCLM: 530/395.000
 INCLS: 530/350.000; 930/290.000; 935/009.000; 935/011.000; 536/023.500;
 424/139.100
 NCL NCLM: 530/395.000
 NCLS: 424/139.100; 435/009.000; 435/011.000; 530/350.000; 536/023.500;
 930/290.000
 IC [6]
 ICM: C07K014-47
 ICS: A61K038-17
 EXF 530/350; 530/395; 514/2; 514/12; 930/290
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 360 OF 387 USPATFULL on STN
 AN 96:29456 USPATFULL
 TI Rapid immunoselection cloning method
 IN Seed, Brian, Boston, MA, United States
 Aruffo, Alejandro, Edmonds, WA, United States
 PA The General Hospital Corporation, Charlestown, MA, United States (U.S.
 corporation)
 PI US 5506126 19960409 <--
 AI US 1993-139273 19931018 (8)
 RLI Division of Ser. No. US 1992-983647, filed on 1 Dec 1992 which is a
 continuation-in-part of Ser. No. US 1990-553759, filed on 13 Jul 1990,
 now abandoned which is a continuation-in-part of Ser. No. US
 1989-379076, filed on 13 Jul 1989, now abandoned which is a
 continuation-in-part of Ser. No. US 1988-160416, filed on 25 Feb 1988,
 now abandoned
 DT Utility
 FS Granted
 LN.CNT 3560
 INCL INCLM: 435/172.300
 INCLS: 435/320.100; 536/024.200
 NCL NCLM: 435/006.000
 NCLS: 435/320.100; 536/024.200
 IC [6]
 ICM: C12N015-10
 EXF 435/172.3; 435/320.1; 536/24.2
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 361 OF 387 USPATFULL on STN
 AN 96:20980 USPATFULL
 TI ***Peptides*** and antibodies that inhibit platelet adhesion
 IN Flow, Edward F., San Diego, CA, United States
 Ginsberg, Mark H., San Diego, CA, United States
 Loftus, Joseph C., Carlsbad, CA, United States
 PA The Scripps Research Institute, La Jolla, CA, United States (U.S.
 corporation)
 PI US 5498499 19960312 <--
 AI US 1992-883669 19920515 (7)
 RLI Continuation-in-part of Ser. No. US 1987-70953, filed on 8 Jul 1987, now
 abandoned And a continuation of Ser. No. US 1988-175342, filed on 31
 Mar 1988, now patented, Pat. No. US 5114842
 DT Utility
 FS Granted
 LN.CNT 2157
 INCL INCLM: 435/007.210
 INCLS: 435/007.100; 435/007.250; 435/007.290; 424/009.100; 424/130.100;
 424/139.100; 424/143.100; 424/185.100; 424/001.490; 424/001.530
 NCL NCLM: 435/007.210
 NCLS: 424/001.490; 424/001.530; 424/009.100; 424/130.100; 424/139.100;
 424/143.100; 424/185.100; 435/007.100; 435/007.240; 435/007.250
 IC [6]
 ICM: A61K049-00
 ICS: A61K039-00; G01N033-53
 EXF 435/7.1; 435/70.21; 435/240.27; 435/7.21; 435/7.24; 435/7.25; 424/9;
 424/130.1; 424/139.1; 424/143.1; 424/185.1; 530/388.25; 530/326; 530/327
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 362 OF 387 USPATFULL on STN
 AN 96:11079 USPATFULL
 TI Isolated nucleic acid molecules encoding ICAM-2
 IN Springer, Timothy A., Newton, MA, United States
 Staunton, Donald E., Chestnut Hill, MA, United States
 Dustin, Michael L., Boston, MA, United States

corporation)
 PI US 5489533 19960206 <--
 AI US 1995-384814 19950206 (8)
 RLI Continuation of Ser. No. US 1993-89307, filed on 12 Jul 1993, now
 abandoned which is a continuation of Ser. No. US 1989-454294, filed on
 22 Dec 1989, now abandoned which is a continuation-in-part of Ser. No.
 US 1987-45963, filed on 4 May 1987, now abandoned And a
 continuation-in-part of Ser. No. US 1987-115798, filed on 2 Nov 1987,
 now abandoned And a continuation-in-part of Ser. No. US 1988-155943,
 filed on 16 Feb 1988, now abandoned And a continuation-in-part of Ser.
 No. US 1988-189815, filed on 3 May 1988, now abandoned And a
 continuation-in-part of Ser. No. US 1988-250446, filed on 28 Sep 1988,
 now abandoned
 DT Utility
 FS Granted
 LN.CNT 1629
 INCL INCLM: 435/320.100
 INCLS: 536/023.100; 536/023.500; 514/044.000; 435/172.300; 435/091.100;
 435/091.400; 435/240.200; 435/252.300; 935/009.000; 935/010.000;
 935/011.000; 935/024.000
 NCL NCLM: 435/320.100
 NCLS: 435/091.100; 435/091.400; 435/252.300; 514/044.000; 536/023.100;
 536/023.500
 IC [6]
 ICM: C12N015-85
 ICS: C12N015-12; C12N015-06
 EXF 536/23.1; 536/23.5; 435/320.1; 435/172.3; 435/240.2; 935/9; 935/10;
 935/32
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 363 OF 387 USPATFULL on STN
 AN 96:11071 USPATFULL
 TI Monoclonal antibodies to prostate cells
 IN Pastan, Ira H., Potomac, MD, United States
 PA The United States of America as represented by the Department of Health
 and Human Services, Washington, DC, United States (U.S. government)
 PI US 5489525 19960206 <--
 AI US 1992-958140 19921008 (7)
 DT Utility
 FS Granted
 LN.CNT 1450
 INCL INCLM: 435/007.230
 INCLS: 435/007.900; 435/240.270; 436/064.000; 436/813.000; 424/001.490;
 530/387.900; 530/388.800; 530/388.850; 530/389.700
 NCL NCLM: 435/007.230
 NCLS: 424/001.490; 435/007.900; 435/344.100; 436/064.000; 436/813.000;
 530/387.900; 530/388.800; 530/388.850; 530/389.700
 IC [6]
 ICM: G01N033-53
 ICS: G01N033-574
 EXF 435/7.23; 435/7.9; 435/240.27; 424/9; 436/64; 436/813; 530/387.7;
 530/388.8; 530/388.85; 530/389.7
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 364 OF 387 USPATFULL on STN
 AN 96:5891 USPATFULL
 TI Monoclonal antibodies that block ligand binding to the CD22 receptor in
 mature B cells
 IN Tedder, Thomas F., S. Natick, MA, United States
 PA Dana-Farber Cancer Institute, Inc., Boston, MA, United States (U.S.
 corporation)
 PI US 5484892 19960116 <--
 AI US 1993-66309 19930521 (8)
 DT Utility
 FS Granted
 LN.CNT 1409
 INCL INCLM: 530/388.730
 INCLS: 530/387.300; 530/388.150; 435/070.210; 435/172.200; 435/240.270
 NCL NCLM: 530/388.730
 NCLS: 435/070.210; 435/328.000; 435/343.100; 530/387.300; 530/388.150
 IC [6]
 ICM: A61K039-395
 ICS: C07K016-18; C07K016-28; C12N005-12
 EXF 435/70.21; 435/172.2; 435/172.3; 435/240.27; 424/85.8; 424/130.1;

424/154.1; 514/8; 530/350; 530/387.1; 530/388.1; 530/388.15; 530/387.3;
530/388.73

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 365 OF 387 USPATFULL on STN
AN 95:110539 USPATFULL
TI R6-5-D6, an antibody which binds intercellular adhesion molecule-1
IN Springer, Timothy A., Newtown, MA, United States
Rothlein, Robert, Danbury, CT, United States
Marlin, Steven D., Danbury, CT, United States
Dustin, Michael L., University City, MO, United States
PA The Dana Farber Cancer Institute, Boston, MA, United States (U.S.
corporation)
PI US 5475091 19951212 <--
AI US 1994-186457 19940125 (8)
RLI Division of Ser. No. US 1990-515478, filed on 27 Apr 1990, now patented,
Pat. No. US 5284931 which is a continuation-in-part of Ser. No. US
1987-45963, filed on 4 May 1987, now abandoned And a
continuation-in-part of Ser. No. US 1987-115798, filed on 2 Nov 1987,
now abandoned Ser. No. Ser. No. US 1988-155943, filed on 16 Feb 1988,
now abandoned Ser. No. Ser. No. US 1988-189815, filed on 3 May 1988, now
abandoned Ser. No. Ser. No. US 1988-250446, filed on 28 Sep 1988, now
abandoned Ser. No. Ser. No. US 1989-324481, filed on 16 Mar 1989, now
abandoned Ser. No. Ser. No. US 1989-373882, filed on 19 Jun 1989, now
abandoned And Ser. No. US 1989-456647, filed on 22 Dec 1989, now
abandoned
DT Utility
FS Granted
LN.CNT 5026
INCL INCLM: 530/388.220
INCLS: 530/388.850; 530/389.200
NCL NCLM: 530/388.220
NCLS: 530/388.850; 530/389.200
IC [6]
ICM: C07K016-28
EXF 530/388.22; 530/388.85; 530/389.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 366 OF 387 USPATFULL on STN
AN 95:88382 USPATFULL
TI Expression vector encoding hybrid immunoglobulins
IN Capon, Daniel J., San Mateo, CA, United States
Lasky, Laurence A., Sausalito, CA, United States
PA Genentech, Inc., San Francisco, CA, United States (U.S. corporation)
PI US 5455165 19951003 <--
AI US 1994-185669 19940121 (8)
RLI Continuation of Ser. No. US 1992-986931, filed on 8 Dec 1992 which is a
continuation of Ser. No. US 1991-808122, filed on 16 Dec 1991, now
patented, Pat. No. US 5225538 which is a division of Ser. No. US
1989-440625, filed on 22 Nov 1989, now patented, Pat. No. US 5116964
which is a continuation-in-part of Ser. No. US 1989-315015, filed on 23
Feb 1989, now patented, Pat. No. US 5098833
DT Utility
FS Granted
LN.CNT 2611
INCL INCLM: 435/064.700
INCLS: 435/252.300; 435/320.100; 536/023.400
NCL NCLM: 435/069.700
NCLS: 435/252.300; 435/320.100; 536/023.400
IC [6]
ICM: C12N015-62
EXF 435/69.7; 435/252.3; 435/320.1; 536/23.4
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 367 OF 387 USPATFULL on STN
AN 95:78078 USPATFULL
TI Anti-DCC gene product specific monoclonal antibody
IN Hanai, Nobuo, Kanagawa, Japan
Baba, Shozo, Shizuoka, Japan
Ozawa, Tadachika, Shizuoka, Japan
PA Kyowa Hakko Kogyo Co., Ltd., Tokyo, Japan (non-U.S. corporation)
PI US 5445938 19950829 <--
AI US 1993-80809 19930624 (8)
PRAI JP 1992-167101 19920625
DT Utility

LN.CNT 685
INCL INCLM: 435/007.230
INCLS: 436/064.000; 436/813.000; 530/388.800; 530/388.850
NCL NCLM: 435/007.230
NCLS: 436/064.000; 436/813.000; 530/388.800; 530/388.850
IC [6]
ICM: G01N033-574
EXF 435/7.23; 435/240.27; 530/388.8; 530/388.85; 436/64; 436/813
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 368 OF 387 USPATFULL on STN
AN 95:58232 USPATFULL
TI Hybrid immunoglobulins
IN Capon, Daniel J., San Mateo, CA, United States
Lasky, Laurence A., Sausalito, CA, United States
PA Genentech, Inc., San Francisco, CA, United States (U.S. corporation)
PI US 5428130 19950627 <--
AI US 1992-986931 19921208 (7)
RLI Continuation of Ser. No. US 1991-808122, filed on 16 Dec 1991, now patented, Pat. No. US 5225538 which is a continuation of Ser. No. US 1989-440625, filed on 22 Nov 1989, now patented, Pat. No. US 5116964 which is a continuation-in-part of Ser. No. US 1989-315015, filed on 23 Feb 1989, now patented, Pat. No. US 5098833
DT Utility
FS Granted
LN.CNT 2630
INCL INCLM: 530/350.000
INCLS: 530/387.100; 536/023.400; 435/064.700
NCL NCLM: 530/350.000
NCLS: 435/069.700; 530/387.100; 536/023.400
IC [6]
ICM: C07K013-00
EXF 435/69.7; 435/252.3; 435/320.1; 530/350; 530/387.1; 536/23.4
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 369 OF 387 USPATFULL on STN
AN 95:54300 USPATFULL
TI Therapeutic and diagnostic methods using leukocyte surface antigens
IN Rittershaus, Charles W., Malden, MA, United States
Tian, Wei-Tao, Allston, MA, United States
Kung, Patrick C., Lexington, MA, United States
PA T Cell Diagnostics, Inc., Woburn, MA, United States (U.S. corporation)
PI US 5426029 19950620 <--
AI US 1990-610494 19901107 (7)
RLI Continuation-in-part of Ser. No. US 1989-434398, filed on 9 Nov 1989, now patented, Pat. No. US 5292636 which is a continuation-in-part of Ser. No. US 1988-254551, filed on 6 Oct 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-20819, filed on 2 Mar 1987, now patented, Pat. No. US 5006459 which is a continuation-in-part of Ser. No. US 1986-846230, filed on 31 Mar 1986, now abandoned
DT Utility
FS Granted
LN.CNT 4142
INCL INCLM: 435/007.210
INCLS: 435/007.240; 435/007.900; 435/007.940; 436/501.000; 436/506.000; 436/518.000; 436/536.000
NCL NCLM: 435/007.210
NCLS: 435/007.240; 435/007.900; 435/007.940; 436/501.000; 436/506.000; 436/518.000; 436/536.000
IC [6]
ICM: G01N033-536
ICS: G01N033-543
EXF 435/5; 435/7.21; 435/7.23; 435/7.24; 435/7.9; 435/7.94; 435/961; 435/974; 436/501; 436/503; 436/506; 436/518; 436/536; 436/548; 436/811; 436/813
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 370 OF 387 USPATFULL on STN
AN 95:11757 USPATFULL
TI Transgenic mice displaying the amyloid-forming pathology of alzheimer's disease
IN Cordell, Barbara, Palo Alto, CA, United States
PA Scios Nova Inc., Mountain View, CA, United States (U.S. corporation)
PI US 5387742 19950207 <--
AI US 1991-716725 19910617 (7)

now abandoned
DT Utility
FS Granted
LN.CNT 2014
INCL INCLM: 800/002.000
INCLS: 424/009.000; 435/142.300; 536/023.500
NCL NCLM: 800/012.000
NCLS: 536/023.500; 800/018.000
IC [6]
ICM: A61K049-00
ICS: C12N015-00; C07H015-12
EXF 800/2; 435/6; 514/44
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 371 OF 387 USPATFULL on STN
AN 94:110691 USPATFULL
TI Methods and compositions for the attachment of proteins to liposomes
using a glycopospholipid anchor
IN Caras, Ingrid W., San Francisco, CA, United States
PA Genentech, Inc., So. San Francisco, CA, United States (U.S. corporation)
PI US 5374548 19941220 <--
AI US 1993-17934 19930212 (8)
RLI Continuation-in-part of Ser. No. US 1991-811048, filed on 19 Dec 1991,
now patented, Pat. No. US 5264357 which is a division of Ser. No. US
1987-83757, filed on 6 Aug 1987, now patented, Pat. No. US 5109113 which
is a continuation-in-part of Ser. No. US 1986-859107, filed on 2 May
1986, now abandoned

DT Utility
FS Granted
LN.CNT 1625
INCL INCLM: 424/450.000
INCLS: 435/697.000; 436/829.000; 514/964.000; 514/002.000
NCL NCLM: 424/450.000
NCLS: 435/069.700; 436/829.000
IC [5]
ICM: A61K037-22
EXF 424/450; 514/2; 435/69.7; 530/350; 935/10
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 372 OF 387 USPATFULL on STN
AN 94:102319 USPATFULL
TI Endothelial cell-leukocyte adhesion molecules (ELAMs) and molecules
involved in leukocyte adhesion (MILAs)
IN Hession, Catherine A., South Weymouth, MA, United States
Lobb, Roy R., Westwood, MA, United States
Goelz, Susan E., Winchester, MA, United States
Osborn, Laurelee, Brighton, MA, United States
Benjamin, Christopher D., Beverly, MA, United States
Rosa, Margaret D., Winchester, MA, United States
PA Biogen, Inc., Cambridge, MA, United States (U.S. corporation)
PI US 5367056 19941122 <--
AI US 1993-35674 19930323 (8)
RLI Division of Ser. No. US 1989-452675, filed on 18 Dec 1989, now patented,
Pat. No. US 5272263 which is a continuation-in-part of Ser. No. US
1989-359516, filed on 1 Jun 1989, now abandoned which is a
continuation-in-part of Ser. No. US 1989-345151, filed on 28 Apr 1989,
now patented, Pat. No. US 5217870

DT Utility
FS Granted
LN.CNT 2368
INCL INCLM: 530/380.000
INCLS: 530/350.000
NCL NCLM: 530/380.000
NCLS: 530/350.000
IC [5]
ICM: C07K013-00
EXF 530/380; 530/350
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 373 OF 387 USPATFULL on STN
AN 94:68694 USPATFULL
TI CD4 adheson variants
IN Capon, Daniel J., San Mateo, CA, United States
Gregory, Timothy J., Hillsborough, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S.

PI US 5336603 19940809
 AI US 1992-936190 19920826 (7) <--
 RLI Continuation of Ser. No. US 1992-842777, filed on 18 Feb 1992, now abandoned which is a continuation of Ser. No. US 1988-250285, filed on 28 Sep 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-104329, filed on 2 Oct 1987, now abandoned
 DT Utility
 FS Granted
 LN.CNT 1740
 INCL INCLM: 435/069.700
 INCLS: 435/257.300; 435/330.100; 536/350.000; 536/387.300; 536/023.400; 424/134.100
 NCL NCLM: 435/069.700
 NCLS: 424/134.100; 435/252.300; 435/320.100; 530/350.000; 530/387.300; 536/023.400
 IC [5]
 ICM: C07K013-00
 ICS: C12N015-62
 EXF 435/69.7; 435/252.3; 435/320.1; 435/5; 530/250; 530/387; 530/27; 536/23.4
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4 ANSWER 374 OF 387 USPATFULL on STN
 AN 94:60277 USPATFULL
 TI Carbohydrate-directed cross-linking reagents
 IN Ashkenazi, Avi J., San Mateo, CA, United States
 Chamow, Steven M., San Mateo, CA, United States
 Kogan, Timothy P., Sugar Land, TX, United States
 PA Genentech, Inc., San Francisco, CA, United States (U.S. corporation)
 PI US 5329028 19940712
 AI US 1992-926077 19920805 (7) <--
 DT Utility
 FS Granted
 LN.CNT 1001
 INCL INCLM: 548/548.000
 INCLS: 548/536.000; 548/547.000; 548/549.000
 NCL NCLM: 548/548.000
 NCLS: 548/546.000; 548/547.000; 548/549.000
 IC [5]
 ICM: C07D207-452
 EXF 548/546; 548/547; 548/548; 548/549
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4 ANSWER 375 OF 387 USPATFULL on STN
 AN 94:15878 USPATFULL
 TI Functional derivatives of ICAM-1 which are substantially capable of binding to LFA-1 but are substantially incapable of binding to MAC-1
 IN Diamond, Michael S., Cambridge, MA, United States
 Staunton, Donald E., Chestnut Hill, MA, United States
 Springer, Timothy A., Newton, MA, United States
 PA Center For Blood Research, Inc., Boston, MA, United States (U.S. corporation)
 PI US 5288854 19940222
 AI US 1990-618286 19901128 (7) <--
 DT Utility
 FS Granted
 LN.CNT 2374
 INCL INCLM: 530/395.000
 INCLS: 530/350.000; 530/808.000; 530/827.000; 530/868.000; 424/088.000
 NCL NCLM: 530/395.000
 NCLS: 424/143.100; 424/278.100; 530/350.000; 530/388.220; 530/808.000; 530/827.000; 530/868.000
 IC [5]
 ICM: C07K009-00
 ICS: A61K037-02
 EXF 530/350; 530/395; 530/402-403; 530/808; 530/827; 530/868; 424/88; 514/2; 514/12; 514/8; 514/885
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4 ANSWER 376 OF 387 USPATFULL on STN
 AN 94:11498 USPATFULL
 TI Intercellular adhesion molecules, and their binding ligands
 IN Springer, Timothy A., Newton, MA, United States
 Rothlein, Robert, Danbury, CT, United States
 Marlin, Steven D., Danbury, CT, United States

PA Dana Farber Cancer Institute, Boston, MA, United States (U.S. corporation)
 PI US 5284931 19940208 <--
 AI US 1990-515478 19900427 (7)
 RLI Continuation-in-part of Ser. No. US 1989-456647, filed on 22 Dec 1989 which is a continuation-in-part of Ser. No. US 1987-45963, filed on 4 May 1987 which is a continuation-in-part of Ser. No. US 1987-115798, filed on 2 Nov 1987 which is a continuation-in-part of Ser. No. US 1988-155943, filed on 16 Feb 1988 which is a continuation-in-part of Ser. No. US 1988-189815, filed on 3 May 1988 which is a continuation-in-part of Ser. No. US 1988-250446, filed on 28 Sep 1988 which is a continuation-in-part of Ser. No. US 1989-324481, filed on 16 Mar 1989 which is a continuation-in-part of Ser. No. US 1989-373882, filed on 30 Jun 1989 which is a continuation-in-part of Ser. No. US 1989-456647, filed on 22 Dec 1989
 DT Utility
 FS Granted
 LN.CNT 4753
 INCL INCLM: 424/085.800
 INCLS: 530/388.220; 530/395.000; 530/808.000; 530/868.000; 514/008.000
 NCL NCLM: 424/139.100
 NCLS: 424/152.100; 424/153.100; 424/154.100; 424/172.100; 424/173.100; 514/008.000; 530/388.220; 530/395.000; 530/808.000; 530/868.000
 IC [5]
 ICM: A61K039-395
 EXF 424/85.8; 424/85.91; 530/387; 530/389; 530/808; 530/388.22
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 377 OF 387 USPATFULL on STN
 AN 94:7614 USPATFULL
 TI Modified avidin-biotin technique
 IN Trojanowski, John Q., Philadelphia, PA, United States
 Lee, Virginia M-Y., Philadelphia, PA, United States
 PA The Trustees of The University of Pennsylvania, Philadelphia, PA, United States (U.S. corporation)
 PI US 5281521 19940125 <--
 AI US 1992-915919 19920720 (7)
 DT Utility
 FS Granted
 LN.CNT 754
 INCL INCLM: 435/007.500
 INCLS: 435/007.200; 435/007.920; 435/960.000; 435/962.000; 436/501.000; 436/548.000
 NCL NCLM: 435/007.500
 NCLS: 435/007.200; 435/007.920; 435/960.000; 435/962.000; 436/501.000; 436/548.000
 IC [5]
 ICM: G01N033-532
 ICS: G01N033-577
 EXF 435/7.5; 435/962; 435/960; 435/7.92; 435/7.2; 436/548; 436/501; 530/388.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 378 OF 387 USPATFULL on STN
 AN 94:5820 USPATFULL
 TI Cloning, expression and uses of a novel secreted protein, F-spondin
 IN Jessell, Thomas M., New York, NY, United States
 Klar, Avihu, Bronx, NY, United States
 PA The Trustees of Columbia University in the City of New York, New York, NY, United States (U.S. corporation)
 PI US 5279966 19940118 <--
 AI US 1992-862021 19920402 (7)
 DT Utility
 FS Granted
 LN.CNT 1885
 INCL INCLM: 435/320.100
 INCLS: 435/069.100; 435/252.300; 530/395.000; 530/399.000; 536/023.500
 NCL NCLM: 435/320.100
 NCLS: 435/069.100; 435/252.300; 530/395.000; 530/399.000; 536/023.500
 IC [5]
 ICM: C12N015-00
 ICS: C12N015-12; C07H017-00
 EXF 530/395; 530/399; 435/69.1; 435/252.3; 435/320.1; 536/23.5
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 93:107133 USPATFULL
 TI DNA sequences encoding vascular cell adhesion molecules (VCAMS)
 IN Hession, Catherine A., South Weymouth, MA, United States
 Lobb, Roy R., Westwood, MA, United States
 Goelz, Susan E., Winchester, MA, United States
 Osborn, Laurelee, Brighton, MA, United States
 Benjamin, Christopher D., Beverly, MA, United States
 Rosa, Margaret D., Winchester, MA, United States
 PA Biogen, Inc., Cambridge, MA, United States (U.S. corporation)
 PI US 5272263 19931221 <--
 AI US 1989-452675 19891218 (7)
 RLI Continuation-in-part of Ser. No. US 1989-359516, filed on 1 Jun 1989,
 now abandoned which is a continuation-in-part of Ser. No. US
 1989-345151, filed on 28 Apr 1989
 DT Utility
 FS Granted
 LN.CNT 2440
 INCL INCLM: 536/023.500
 INCLS: 530/380.000; 435/069.600; 435/320.100
 NCL NCLM: 536/023.500
 NCLS: 435/069.600; 435/320.100; 530/380.000
 IC [5]
 ICM: C07K013-00
 ICS: C12N015-00; C12P021-06
 EXF 435/69.1; 435/69.9; 435/320.1; 530/380; 536/27
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 380 OF 387 USPATFULL on STN
 AN 93:98301 USPATFULL
 TI Nucleic acids vectors and cells for the synthesis of membrane anchor
 fusion polypeptides
 IN Caras, Ingrid W., San Francisco, CA, United States
 Davitz, Michael A., Riverdale, NY, United States
 Nussenzweig, Victor, New York, NY, United States
 Martin, Jr., David W., San Francisco, CA, United States
 PA Genentech, Inc., South San Francisco, CA, United States (U.S.
 corporation)
 PI US 5264357 19931123 <--
 AI US 1991-811048 19911219 (7)
 RLI Division of Ser. No. US 1987-83757, filed on 16 Aug 1987, now patented,
 Pat. No. US 5109113 which is a continuation-in-part of Ser. No. US
 1986-859107, filed on 2 May 1986, now abandoned And a
 continuation-in-part of Ser. No. US 1985-738171, filed on 24 May 1985,
 now abandoned
 DT Utility
 FS Granted
 LN.CNT 1418
 INCL INCLM: 435/240.100
 INCLS: 435/240.200; 435/252.300; 435/069.700; 435/320.100; 536/023.400
 NCL NCLM: 435/252.330
 NCLS: 435/069.700; 435/252.300; 435/320.100; 536/023.400
 IC [5]
 ICM: C12N015-12
 ICS: C12N005-10
 EXF 536/27; 536/23.4; 435/320.1; 435/240.1; 435/240.2; 435/252.3; 435/69.7
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 381 OF 387 USPATFULL on STN
 AN 93:82731 USPATFULL
 TI Diagnostic methods using neurite growth regulatory factors
 IN Schwab, Martin E., Zurich, Switzerland
 Caroni, Pierenrico W., Zurich, Switzerland
 Paganetti, Paolo A., Zurich, Switzerland
 PA Erziehungsdirektion of the Canton Zurich, Zurich, Switzerland (non-U.S.
 corporation)
 PI US 5250414 19931005 <--
 AI US 1991-719692 19910624 (7)
 RLI Continuation-in-part of Ser. No. US 1989-401212, filed on 30 Aug 1989
 which is a continuation-in-part of Ser. No. US 1988-267941, filed on 4
 Nov 1988, now abandoned
 DT Utility
 FS Granted
 LN.CNT 5260
 INCL INCLM: 435/007.720
 INCLS: 435/007.230; 530/350.000; 514/002.000; 514/021.000; 436/064.000;

NCL NCLM: 435/007.720
 NCLS: 435/007.230; 436/064.000; 436/813.000; 514/002.000; 514/021.000;
 530/350.000
 IC [5]
 ICM: C12N009-64
 EXF 530/350; 514/2; 514/21; 435/7.72; 435/7.23; 436/64; 436/813
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 382 OF 387 USPATFULL on STN
 AN 93:65518 USPATFULL
 TI Nucleic acid sequences encoding a soluble molecule (SICAM-1) related to
 but distinct from ICAM-1
 IN McClelland, Alan, Old Saybrook, CT, United States
 Greve, Jeffrey M., Branford, CT, United States
 PA Molecular Therapeutics, Inc., West Haven, CT, United States (U.S.
 corporation)
 PI US 5235049 19930810 <--
 AI US 1989-301192 19890124 (7)
 DT Utility
 FS Granted
 LN.CNT 429
 INCL INCLM: 435/240.200
 INCLS: 530/395.000; 530/827.000; 435/070.100; 435/070.300; 536/023.500
 NCL NCLM: 435/252.330
 NCLS: 435/070.100; 435/070.300; 530/395.000; 530/827.000; 536/023.500
 IC [5]
 ICM: C12N015-12
 ICS: C12N005-06; C12N005-08
 EXF 536/27; 530/395; 435/240.2; 435/70.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 383 OF 387 USPATFULL on STN
 AN 93:54852 USPATFULL
 TI Lymphocyte homing receptor/immunoglobulin fusion proteins
 IN Capon, Daniel J., San Mateo, CA, United States
 Lasky, Laurence A., Sausalito, CA, United States
 PA Genentech, Inc., South San Francisco, CA, United States (U.S.
 corporation)
 PI US 5225538 19930706 <--
 AI US 1991-808122 19911216 (7)
 RLI Division of Ser. No. US 1989-440625, filed on 22 Nov 1989, now patented,
 Pat. No. US 5116964 which is a continuation of Ser. No. US 1989-315015,
 filed on 23 Feb 1989, now patented, Pat. No. US 5098833
 DT Utility
 FS Granted
 LN.CNT 2558
 INCL INCLM: 530/387.300
 INCLS: 435/069.700; 530/388.730
 NCL NCLM: 530/387.300
 NCLS: 424/134.100; 435/069.700; 530/388.730
 IC [5]
 ICM: C07K013-00
 ICS: C17N015-62
 EXF 435/69.7; 530/387
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 384 OF 387 USPATFULL on STN
 AN 92:42890 USPATFULL
 TI Hybrid immunoglobulins
 IN Capon, Daniel J., San Mateo, CA, United States
 Lasky, Laurence A., Sausalito, CA, United States
 PA Genentech, Inc., South San Francisco, CA, United States (U.S.
 corporation)
 PI US 5116964 19920526 <--
 AI US 1989-440625 19891122 (7)
 RLI Continuation-in-part of Ser. No. US 1989-315015, filed on 23 Feb 1989
 DT Utility
 FS Granted
 LN.CNT 2533
 INCL INCLM: 536/027.000
 INCLS: 435/069.700; 435/252.300; 435/320.110; 530/350.000
 NCL NCLM: 536/023.500
 NCLS: 424/134.100; 435/069.700; 435/252.300; 435/320.100; 530/350.000;
 530/387.300; 536/023.510; 536/023.530
 IC [5]

ICS: C12N015-62; C12P021-02
 EXF 435/69.7; 435/172.3; 435/252.3; 435/320; 436/512; 530/350; 530/387;
 536/27
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 385 OF 387 USPATFULL on STN
 AN 92:40568 USPATFULL
 TI ***Peptides*** and antibodies that inhibit platelet adhesion
 IN Plow, Edward F., San Diego, CA, United States
 Ginsberg, Mark H., San Diego, CA, United States
 PA The Scripps Research Institute, La Jolla, CA, United States (U.S.
 corporation)
 PI US 5114842 19920519 <--
 AI US 1988-175342 19880331 (7)
 RLI Continuation-in-part of Ser. No. US 1987-70953, filed on 8 Jul 1987, now
 abandoned
 DT Utility
 FS Granted
 LN.CNT 2114
 INCL INCLM: 424/085.800
 INCLS: 435/240.270; 435/007.200; 435/007.240; 435/007.210; 530/326.000;
 530/300.000; 530/387.900; 530/388.220; 530/388.700; 424/009.000;
 935/107.000; 935/110.000
 NCL NCLM: 424/001.490
 NCLS: 257/249.000; 424/153.100; 435/007.200; 435/007.210; 435/007.240;
 514/013.000; 530/300.000; 530/326.000; 530/387.900; 530/388.220;
 530/388.700; 536/023.500
 IC [5]
 ICM: C12Q001-00
 ICS: A61K037-00; A61K049-00; C07K007-00
 EXF 435/7; 435/240.27; 435/7.1; 424/1.1; 424/9; 424/85.8; 424/88; 424/9;
 530/326; 530/327; 530/387; 530/300; 530/326
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 386 OF 387 USPATFULL on STN
 AN 92:34269 USPATFULL
 TI Membrane anchor fusion polypeptides
 IN Caras, Ingrid W., San Francisco, CA, United States
 Davitz, Michael A., Riverdale, NY, United States
 Nussenzweig, Victor, New York, NY, United States
 Martin, Jr., David W., San Francisco, CA, United States
 PA Genentech, Inc., South San Francisco, CA, United States (U.S.
 corporation)
 New York University, New York, NY, United States (U.S. corporation)
 PI US 5109113 19920428 <--
 AI US 1987-83757 19870806 (7)
 RLI Continuation-in-part of Ser. No. US 1986-859107, filed on 2 May 1986,
 now abandoned And a continuation-in-part of Ser. No. US 1985-738171,
 filed on 24 May 1985, now abandoned
 DT Utility
 FS Granted
 LN.CNT 1281
 INCL INCLM: 530/350.000
 INCLS: 530/359.000; 530/405.000; 530/409.000; 530/806.000; 530/807.000;
 530/808.000; 435/069.700
 NCL NCLM: 530/350.000
 NCLS: 435/069.700; 530/359.000; 530/405.000; 530/409.000; 530/806.000;
 530/807.000; 530/808.000
 IC [5]
 ICM: C07K013-00
 EXF 530/359; 530/350; 530/405; 530/409; 530/806; 530/807; 530/808; 435/69
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 387 OF 387 USPATFULL on STN
 AN 91:24753 USPATFULL
 TI ***Peptide*** inhibitors of motor neuron attachment to s-laminin
 IN Hunter, Dale D., St. Louis, MO, United States
 Sanes, Joshua R., St. Louis, MO, United States
 Merlie, John P., St. Louis, MO, United States
 Adams, Steven P., St. Charles, MO, United States
 PA Washington University, St. Louis, MO, United States (U.S. corporation)
 PI US 5003044 19910326 <--
 AI US 1989-382606 19890719 (7)
 DT Utility
 FS Granted

INCL INCLM: 530/326.000
INCLS: 530/327.000; 530/329.000; 530/330.000; 530/331.000
NCL NCLM: 530/326.000
NCLS: 530/327.000; 530/329.000; 530/330.000; 530/331.000
IC [5]
ICM: C07K007-00
ICS: C07K005-08; C07K005-10
EXF 530/326; 530/327; 530/328; 530/329; 530/330; 530/331
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
STN INTERNATIONAL LOGOFF AT 16:04:09 ON 08 APR 2004